

PROFORMA FOR ANNUAL REPORT 2024 (01st January- 31st December 2024)

1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E mail
KVK, Agwanpur, Saharsa	Office	FAX	saharsakvk@gmail.com
(Bihar)	9431413543		

1.2 .Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail
	Office	FAX	
Bihar Agriculture University, Sabour, Bhagalpur	06412452606		deebausabour@gmail.com

1.3. Name of the Programme Coordinator with phone & mobile No.

Name	Telephone / Contact		
Dr. Arbind Kumar Sinha	Residence: Saharsa	Mobile: 9431413543	Email: saharsakvk@gmail.com

1.4. Year of sanction of KVK:

ICAR Sanction order F. No. 21/100/84 dated 14th March 1984

1.5. Year of start of KVK: 1984

1.5. Staff Position (as on 31st December 2024)

Sl. No.	Sanctioned post	Name of the Incumbent	Designation	Discipline	Pay Scale with Present Basic	Date of joining	Permanent/probation	Category (SC/ST/OBC/Others)
1.	Senior Scientist & Head	Dr. Arbind Kr. Sinha	Senior Scientist & Head	Horticulture	166400, Level 13 (A)	14.05.2012	Permanent	OBC
2.	Subject Matter Specialist	Er. Vimlesh Kumar Pandey	SMS	Agricultural Engineering	98200, Level 10	10.07.2007	Permanent	General
3.	Subject Matter Specialist	Dr. Suneeta Paswan	SMS	Home Science	98300, Level 10	22.06.2009	Permanent	SC
4.	Subject Matter Specialist	Mr. Amit Shekhar	SMS	Entomology	56100, Level 10	16.02.2024	-	OBC
5.	Subject Matter Specialist	Mr. Ashok Pandit	SMS	Agronomy	56100, Level 10	28.02.2024	-	OBC
6.	Subject Matter Specialist	Dr. Pankaj Kumar Ray	SMS	Horticulture	73200, Level 10	05-01-2015	Permanent	General
7.	Subject Matter Specialist	Vacant	SMS	-	-	-	-	-
8.	Programme Assistant (Lab. Tech.)	Sri Ravi Ranjan Kumar	Programme Assistant (Lab. Tec.)	Agriculture	50500, Level 06	17.11.2012	Permanent	OBC
9.	Computer Programmer	Mr. Ashwani Kumar	Programme Assistant (Computer)	Information Technology	49000, Level 06	21-05-2013	Permanent	OBC
10.	Farm Manager	Vacant	Farm Manager	-	-	-	-	-
11.	Accountant / Superintendent	Mr. Mahendra Narayan Singh	Assistant	MBA (Finance)	49000, Level 06	08-04-2013	Permanent	OBC
12.	Stenographer	Mr. Mithilesh Kumar Mandal	Stenographer	-	35300, Level 04	15-06-2013	Permanent	OBC
13.	Driver	Mr. Rajeev Bhagat	Driver	-	29300, Level 03	20.05.2015	Permanent	OBC
14.	Driver	Mr. Dilip Kr. Dinkar	Driver	-	29300, Level 03	28.05.2015	Permanent	OBC
15.	Supporting Staff	Vacant	-	-	-	-	-	-
16.	Supporting staff	Mr. Lalo Thakur	Supporting staff	-	40600, Level 02	22.09.1990	Permanent	OBC

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)	Name of infrastructure
1	Under Buildings	1.50	Office and Farmers hostel
2.	Under Demonstration Units	2.50	Diff. Demonstration Units
3.	Under Crops	11.00	Instructional Farm
4.	Orchard	2.00	Mango, Gauva & polyhouse etc
5.	Agro-forestry	0.1	Agro forestry plant
6.	Others with details	2.9	Others with details water logged,road nala etc
	Total	20	

**Total area should be matched with breakup*

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Functional/ non-functional*	Source of funding
1.	Administrative Building					Yes		Functional	ICAR
2.	Farmers Hostel					Yes		Functional	ICAR
3.	Staff Quarters (6)					02 (suppt)		No	ICAR
4.	Piggery unit	✓							
5.	Fencing	✓							
6.	Rain Water harvesting structure	✓							
7.	Threshing floor					Yes		Functional	ICAR
8.	Farm godown					Yes		Functional	ICAR
9.	Dairy unit	✓							
10.	Poultry unit	✓							
11.	Goatry unit	✓							
12.	Mushroom Lab					Yes		Functional	
13.	Mushroom production unit	✓							
14.	Shade house					Yes		Functional	
15.	Soil test Lab					Yes		Functional	ICAR
16.	Others, Please Specify								

* If not in use, then since when and reason for non-use

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero	2017	800000/-	133402	Good
Tractor	2010	550000/-	3727 hr	Good
Tractor	2021	943692/-	600 hr	Good
Motorcycle (No.-02)	2016	1,20000/-	BR 19H 1220-18883 KM BR 19H 1221-9752KM	Good

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Mini Soil Test Kit (2 Unit)	2018	120000	Good	ICAR
b. Farm machinery				
Tractor	2010	491473	Good	ICAR
5 HP Crompton Motor	2015	17619	Good	ICAR
c. AV Aids				
LCD Projector with accessories	2009	98418.00	Non Functional	ICAR
Digital camera with accessories	2009	25000.00	Non Functional	ICAR
Sony LCD Projector with acces	2016	52,000	Non Functional	RKVY
Ahuja Sound System	2016	30,165	Good	ICAR
Canon Camera	2016	29,600	Good	RKVY
Sony Video Camera	2016	82,871	Non Functional	RKVY
Penasonic LED TV(50")	2016	72,000	Good	RKVY
Penasonic LED TV (32")	2016	27,200	Good	RKVY
Desktop Dell + Laptop	2016	82,583	Good	RKVY
Desktop HP	2016	38,800	Good	ICAR
Laptop	2014	41,900	Good	RKVY
GPS	2016	20,000	Good	ICAR
Laptop HP	2016	-	Good	RKVY
Xerox Machine	2016	52142	Good	RKVY
HP Laptop	2020	49500	Good	ICAR
Epson Projector+ Screen	2024	108648	Good	ICAR
Desktop HP	2019	49900	Good	ICAR
Desktop Dell	2021	49500	Good	ICAR
HP PC	2024	69300	Good	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Electronic Balance	2011	8200.00	Good	ICAR
Cultivator	2012		Good	RAU
Rotavator	2011		Good	RAU
Multi crop Thresher	2012		Good	RAU
Diesel Pumping set			Good	
Zero tillage			Good	
National ZTT	2020	65000	Good	BAU
Seed Processing Machine			Non- functional	BAU
Multicrop Planter	2021	88019	Good	CRA Programme
Raised bed planter	2021	99000	Good	
Laser land Leveller	2021	305000	Good	
Self Propelled Reaper	2021	124804	Good	
Weeder & Ridger	2021	50411	Good	
Paddy Thresher	2021	156000	Good	
Rice wheat seeder	2021	10000	Good	
Combined Harvester	2021	2147795	Good	
Tractor Mounted Sprayer	2021	193520	Good	
Multicrop raised bed planter	2021	127000	Good	
National ZTT	2021	70500	Good	
Tractor trolley	2021	151846	Good	
Tractor	2021	943691	Good	
Raised bed inclined plate planter	2022	127000	Good	
Agri Drone	2023	9,90,000	Good	ICAR

2. Priority thrust areas of KVKs

S. No	Thrust area
1.	INM and IPM practices in crops and cropping system for sustainable agriculture.
2.	Productivity enhancement of field crops, vegetables and fruit plants.
3.	Popularization of quality seed production.
4.	Income generation activities through mushroom production vermi-composting and preservation of fruits and vegetables etc.
5.	Farm mechanization in Agriculture.
6.	Farm women empowerment.

2. a. District level data on agriculture, livestock and farming situation (2024)

Sl. No.	Items	Information
1	Major Farming system of the district	Paddy- Wheat Paddy- Pulses (Lentil) Paddy- Oil seeds (Linseed/ Mustard/ Rai) Paddy- Potato- Green Gram Paddy- Wheat- Green Gram Fallow- Maize Fallow- Tomato Okra- Other Green Vegetables
2	One district one product (NITI Ayog)	Makhana cultivation (in ponds/field condition)
3	Agro-climatic Zone	Zone II of Bihar: North Bihar having hot moist sub humid climate with medium to high available water capacity, with average annual rainfall 1305 mm & length of growing period 180 to 210 days in a year
4	Agro ecological situation	Eastern plains situated under the foot hills of central Himalayas comprising piedmont plain where SMCS does not get dry for as long as 90 or more days in a year. The mean annual soil temperature is more than 22 ⁰ C i.e. hyperthermia soil temperature regime
5	Soil type	Loam to silt Loam (Upland plain): 52884 ha Deep water logged area: 45827 ha. Clay loam to loam (mid upland to low land): 25320 ha. Sandy clay to sandy loam (within the Koshi embankments): 41094 ha.
6	Productivity of major crops of districts	
	Paddy	38 q/ ha
	Wheat	31 q/ ha
	Pulse	Lentil- 11 q/ ha Green Gram- 8.5 q/ ha
	Oilseed	Linseed- 6.2 q/ ha, Rai/ Mustard- 11.3 q/ ha
	Veg. (name)	Potato- 239 q/ ha, Tomato- 185 q/ ha
	Fruit (Name)	Mango- 202 q/ ha
	Others (Maize)	67.3 q/ ha
7	Enterprises	Mushroom 1.5 kg/bag
	Mean yearly temperature, rainfall, humidity of the district	Temperature: Max. 33.8 ⁰ C, Min. 8.8 ⁰ C

		Mean yearly rainfall: 1305 mm Avg. relative humidity:
8	Production of major livestock products like, , etc.	
	milk	178752410 Kilogram
	egg	18 lakh annually
	meat	

Note: Please give recent data only

2.b. Details of operational area / villages (2024)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1		Nauhatta	Dharampur	Paddy, Wheat, vegetable, Mango orchard	1) Low productivity of crops due to cultivation practice of old varieties, problem of weeds, imbalance use of fertilizer , injudicious irrigation water application. 2) pest and disease incidence 3) Loss of raw farm produces due to improper post harvest management 4) Lack of knowledge /skill for scientific agril technology 5) Poor income from agril/allied sector 6) Lack of improved agril implements & tool	Productivity enhancement of field crops, vegetables and fruit plants.
2		Sattarkataiya	Padampur	Paddy, Wheat, moong		INM and IPM practices in crops and cropping system for sustainable agriculture.
3		Kahra	Bareta, Mahwa	Paddy, Wheat, vegetable, Mango orchard		Popularization of quality seed production. Productivity
4		Sourbazar	Andauli, Bakhari	Paddy, Wheat, Rapeseed, Linseed, Lentil, tomato		Application of post harvest technology & value addition
5		Sattarkataiya	Purikh	Paddy, Wheat, Lentil, Rai, Pea, Linseed Green Gram, Maize		Income generation activities through mushroom production vermi-composting and preservation of fruits and vegetables etc
6		Sourbazar	Kamp	Wheat, Lentil, Rape seed		Farm mechanization in Agriculture..
7		Sonbarsha	Jalseema	Banana		Capacity Building Prog
8		Sattarkataiya	Dihtola	Rice-Wheat-Green Gram		
9		Patarghat	Bishanpur	Rice-Wheat-Green Gram		

10		Sourbazar	Dhamsena	Rice-Wheat-Green Gram		
11		Nauhatta	Baligaon chtra	Rice-Wheat-Green Gram		
12		Kahra	Tulsiyahi	Rice-Wheat Makhana		
13		Simri Bakhtiyarpur	Sardiha	Nutri Garden, Mushroom	1.) Lack of income generation activities	Income generation activities
14		Sour Bazar	Bajnathpur	Nutri Garden, Mushroom	2.) Poor health in women and child/Malnutrition	Nutritional gardening Women empowerment

2. c. Details of village adoption programme during 2024:

Name of the villages adopted by Sr. Scientist & Head and SMS (in year 2024) for its development and action plan

Name of village	Block	Action taken for development
Dihtola	Sattarkataiya	• Training programmes and extn. activities. • Front line demonstration • Kisan Chaupal/Kissan gosthi • On Farm Trial
Bareta	Kahra	
Baligao Chatra	Nauhatta	
Sahidih	Nauhatta	
Makuna	Sattarkataiya	
Jagir	Sourbazar	
Bharauli	Kahra	

3. TECHNICAL ACHIEVEMENTS

3.1. Summary details of target and achievement of mandatory activities by KVK during the year 2024

OFT												FLD											
No. of technologies tested:												No. of technologies demonstrated:											
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers									
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement								
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
09	09	80	2	13	0	02	66	0	68	12	82	10	12	200	8	86	0	0	112	22	120	108	228

Training												Extension activities											
Number of Courses		Number of Participants										Number of activities		Number of participants									
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement								
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
160	195	6500	14	19	0	0	39	11	54	31	85	1200	2050	15000	1	67	1	2	10	40	1	5	1
			43	64			63	40	06	04	10				4	2	2	8	53	85	2	0	7
															0		2	5	6		0	4	1
															5						6	2	0
																					3		5

Impact of capacity building											Impact of Extension activities										
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
6500	7483	43	46	0	0	269	72	312	119	431	15000	17105	183	69	24	9	651	234	859	312	1172
		0	9			0	3	0	2	2			6	1	2	2	8	1	6	4	0

Seed production (q)			Planting material (in Lakh)		
Target (Crop and variety)		Achievement (q)	Sold (q)	Target (crop and variety)	Achievement
Lentil -IPL 316		17.1	17.1	Cauliflower: Fortaleza	8065
Pea-IPFD 10-12, IPFD 1603		18.45	18.45	Cabbage: Green top	1722
Linseed- S. Tisi 1		4.0	4.0	Tomato: VL642	4553
Wheat: DBW 187		46.0	46.0	Chilli: NS 2572	2341
HI 1563		11.8	11.8	Others: Capsicum : Indra	3933
Mustard: RH 725		3.4	3.4	Broccoli: NS 50	5931
Potato: Yusi map, Badi aalo		25.0	25.0	Colored Cauliflower : Valentena	387
Finger Millet: VML 376		1.0	Stored in godown		
Paddy: R. Mahsoori 1		176			
R. Sweta,		334			
S. Heera		36			

Livestock strains (in no's) and fish fingerlings produced (in lakh)*	Soil, water, plant, manures samples tested (in lakh)
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Target	Achievement	Target	Achievement

* Give no. only in case of fish fingerlings

3.2 ACHIEVEMENTS ON TECHNOLOGIES ASSESSED AND REFINED (OFT)

3.2. 1 Technology Assessed by KVK (Discipline wise)

A	Technologies assessed under various crops (Cereal Crop Production)			
	Thematic areas	Number of the technologies (Technology Interventions)	No. of trials	No. of Locations
1	Integrated Nutrient Management	1	8	1
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management			
5	Integrated Disease Management	1	10	1
6	Small Scale Income Generation Enterprises			
7	Weed Management	1	8	1
8	Resource Conservation Technology			
9	Farm Machineries	1	10	1
10	Integrated Farming System			
11	Seed / Plant production			
12	Post Harvest Technology / Value addition			
13	Drudgery Reduction			
14	Storage Technique			
15	Others (Pl. specify)			
16	Cropping Systems			
17	Farm Mechanization			
18	Others (Irrigation Water Management)	1	10	1

	Total			
B	Technologies assessed under various crops (Hort crops.)			
	Thematic areas	Number of the technologies (Technology Interventions)	No. of trials	No. of Locations
1	Integrated Nutrient Management			
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management			
5	Integrated Disease Management	1	8	2
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology	1	8	1
9	Post-harvest Technology / Value addition			
10	Others if any specify			
C	Technologies assessed under livestock & Fisheries by KVKs			
	Thematic areas	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1	Disease & Health Management			
2	Breeding management/Evaluation of Breeds			
3	Feed and Fodder management			
4	Nutrition Management			
5	Production and Management			
6	Processing and Value addition			
7	Fisheries management			
8	Others (waste, ITK etc)			
	Total	0	0	0
D	Technologies assessed under miscellaneous enterprises by KVKs			
	Thematic areas	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1	Drudgery reduction			

2	Entrepreneurship Development			
3	Health and nutrition	1	10	1
4	Processing and value addition			
5	Energy conservation			
6	Small-scale income generation			
7	Storage techniques			
8	Household food security			
9	Organic farming			
10	Agroforestry management			
11	Mechanization			
12	Resource conservation technology			
13	Value Addition	1	10	1
14	Others			
	Total	0	0	0
E	Technologies assessed under various enterprises for women empowerment			
	Thematic areas	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1	Drudgery Reduction			
2	Entrepreneurship Development			
3	Health and Nutrition			
4	Value Addition			
5	Others			
	Total	0	0	0

3.2.2 OFT (All discipline)

OFT1: (Agronomy)

- **Thematic area: Weed Management**
- **Problem definition/Name of OFT:** Low yield of Rice due to heavy infestation of weeds

1.	Title of On farm Trial (OFT)	Assessment of Weed management in Rice under Rain fed Agro-ecosystem
2.	Problem diagnosed	Low yield of Rice due to heavy infestation of weeds
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	T₁ :Post emergence (PoE) application of Bispyribac Sodium 10% SC @200-250 ml/ha at 25-30 DAT. T₂:Post emergence (PoE) application of Bispyribac Sodium 10% SC @250 ml/ha + (Metsulfuron methyl 10% + Chlorimuron ethyl 10% WP) @20 g/ha at 25-30 DAT followed by one hand weeding at 40 DAT. T₃: Pre emergence application of Pyrazosulfuron ethyl 10% WP@ 200 g/ha at time of transplanting followed by Post emergence (PoE) application of Bispyribac Sodium 10% SC @200-250 ml/at 25-30 DAT.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR, DWR, Jabalpur
5.	Production system and thematic area	Rice-Wheat-Greengram Weed Management
6.	Performance of the Technology with performance indicators	i. Weed density/ m² after 30 and 45 DAT ii. Effective Tiller's / m² iii. Panicles / m² iv. Grain per panicle v. Test weight vi. Yield (q/ha) vii. Cost of cultivation (₹/ha) viii. Gross return (₹/ha) ix. Net return (₹/ha) x. B:C Ratio
7.	Final recommendation for micro level situation	

8.	Constraints identified and feedback for research	Due to uneven distribution of rainfall and unawareness of herbicide among the farmers weed flora (narrow and broad leaf weeds) emerges in the crop fields causes competition with paddy crops and ultimately affect the yield of crops.
9.	Process of farmers participation and their reaction	Through training and trial demonstration

B. Results with Table and good quality photographs in jpg.

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual					
Weed Management	Post emergence (PoE) application of Bispyribac Sodium 10% SC @200-250 ml/ha at 25-30 DAT	0.3	0.3	43.1	39200	99130	59930	1.52
Weed Management	Post emergence (PoE) application of Bispyribac Sodium 10% SC @250 ml/ha + (Metsulfuron methyl 10% + Chlorimuron ethyl 10% WP) @20 g/ha at 25-30 DAT followed by one hand weeding at 40 DAT.	0.3	0.3	48.8	40000	112240	72240	1.81
Weed Management	Pre emergence application of Pyrazosulfuron ethyl 10% WP@ 200 g/ha at time of transplanting followed by Post emergence (PoE) application of Bispyribac Sodium 10% SC @200-250 ml/at 25-30 DAT.	0.3	0.3	46.3	41000	106490	65490	1.61

Result: Post emergence (PoE) application of Bispyribac Sodium 10% SC @250 ml/ha + (Metsulfuron methyl 10% + Chlorimuron ethyl 10% WP) @20 g/ha at 25-30 DAT followed by one hand weeding at 40 DAT. may be the best option for weed control in Rice under Rain fed Agro- ecosystem.

OFT2: (Agronomy)

- **Thematic area: ICM**
- **Problem definition/Name of OFT:** Farmers have been found to follow their traditional method in respect of fertilizers doses causes damage to soil texture in this reason.

1.	Title of On farm Trial (OFT)	Assessment of Rabi maize productivity under different fertility level in Koshi Region
2.	Problem diagnosed	Farmers have been found to follow their traditional method in respect of fertilizers doses.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	T ₁ : 170:100:40 kg N: P ₂ O ₅ : K ₂ O per ha. T ₂ : 120:75:50 kg N: P ₂ O ₅ : K ₂ O per ha. T ₃ : 150:94:63 kg N: P ₂ O ₅ : K ₂ O per ha.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BAU Ranchi
5.	Production system and thematic area	Rice-Maize, ICM
6.	Performance of the Technology with performance indicators	i. No. of cob/plant ii. No. of grain/cob iii. No. of grain per cob iv. Test weight (g) v. Grain yield (q/ha) vi. Stover yield(q/ha) vii. Cost of cultivation (₹/ha) viii. Gross return (₹/ha) ix. Net return (₹/ha) x. B:C Ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	Farmers are using very high doses of fertilizers and hard to motivate for use of balance doses of fertilizers
9.	Process of farmers participation and their reaction	Through training and trial demonstration

Result: Crop Standing

OFT3: (Entomology)

- **Thematic area: IDM**
- **Problem definition/Name of OFT:** Low yield of Lentil in Koshi region

1.	Title of On farm Trial (OFT)	Management of wilt of lentil
2.	Problem diagnosed	Low yield of Lentil in Koshi region
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	T1- Spray of carbendazim @ 1.0 g/l of water T2 - Seed treatment with carbendazim @2g/kg of seed T3 - Soil application of Trichoderma spp. @ 5.0 kg/ha + Seed treatment with Trichoderma 5.0 g/kg of seed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	UBKV, West Bengal
5.	Production system and thematic area	Paddy-Lentil-Green gram, IDM
6.	Performance of the Technology with performance indicators	i) Technical indicator [Disease incidence (%), No. of plants/m ² , No. of pods/plant, No. of grains/pod, seed test weight, Yield (Q/ha)] (ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio)
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	Lack of knowledge about this disease and its management in farming communities
9.	Process of farmers participation and their reaction	Through training and trial demonstration

Result: Crop Standing

OFT4: (Horticulture)

- **Thematic area: IDM**

- **Problem definition/Name of OFT:** Yield loss caused by pathogen is huge

1.	Title of On farm Trial	Assessment of bio control agent for management of Panama wilt in Banana
2.	Problem diagnosed	Panama wilt in Banana
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Tissue Culture plant TO ₁ : ICAR Fusicon TO ₂ : Sabour Trichoderma
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	DRPCA, Pusa, Bihar
5.	Production system and thematic area	Banana IDM
6.	Performance of the Technology with performance indicators	i) Initial plant population ii) First wilt incidence iii) Wilting percentage iv) Fruit yield (t/ha) v) T.S.S. (°B) vi) Cost of cultivation (Rs/ha) vii) Gross return (Rs/ha) viii) Net return (Rs./ha) ix) B:C ratio (Rs./ha)
7.	Final recommendation for micro level situation	ICAR Fusicon maybe the best option as bio control agent for management of Panama wilt in Banana
8.	Constraints identified and feedback for research	Trial continue..
9.	Process of farmers participation and their reaction	Through training and trial demonstration

B. Results with Table and good quality photographs in jpg.

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual					
IDM	Tissue Culture plant	0.04	0.04	361	85500	200500	115000	1.34
IDM	ICAR Fusicon	0.04	0.04	545	88800	286800	198000	2.22
IDM	Sabour Trichoderma	0.04	0.04	477	87000	265000	178000	2.04

Result: ICAR Fusicon maybe the best option as bio control agent for management of Panama wilt in Banana

OFT5: (Horticulture)

- **Thematic area: Resource Conservation technology**
- **Problem definition/Name of OFT: Ex situ residue management of potato**

1.	Title of On farm Trial (OFT)	Ex situ residue management of potato
2.	Problem diagnosed	Use of imbalance and inadequate chemical fertilizers by farmers has also deteriorate soil health
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Sowing in ridge and furrow method TO ₁ : Sowing of potato seed with FYM and paddy straw 15 cm TO ₂ : Sowing of potato seed with FYM and water hyacinth
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	DRPCA, Pusa, Bihar
5.	Production system and thematic area	Vegetables- Potato Resource Conservation technology
6.	Performance of the Technology with performance indicators	i) Plant height (cm) ii) Fruit yield per plant (kg) iii) Avg. no. of fruit/ plant iv) Avg. Weight of fruit (g) v) Yield/plant (kg) vi) Yield q/ha vii) Cost of cultivation viii) Gross return ix) Net return x) B: C ratio
7.	Final recommendation for micro level situation	Sowing of potato seed with FYM and paddy straw 15 cm may be the best option for Ex situ residue management of potato.
8.	Constraints identified and feedback for research	It was observed that it was a tough task to convince farmers to adopt water hyacinth in cropping practices
9.	Process of farmers participation and their reaction	Through demonstration, training and field day

B. Results with Table and good quality photographs in jpg.

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual					
Resource Conservation	Sowing in ridge and furrow method	0.4	0.4	289	107500	289000	181500	2.68

technology	Sowing of potato seed with FYM and paddy straw 15 cm	0.3	0.3	338	97500	338000	240500	3.46
	Sowing of potato seed with FYM and water hyacinth	0.3	0.3	318	99500	318000	218500	3.19

Result: Sowing of potato seed with FYM and paddy straw 15 cm may be the best option for Ex situ residue management of potato.

OFT6: (Agrill. Engg.) Kharif 2024

- **Thematic area:** Application of small tools/ implements

Problem definition/Name of OFT: Growth of weeds in paddy fields during Kharif season resulted into low productivity.

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1.	Title of On farm Trial (OFT)	Performance assessment of different weeding tools in paddy crop cultivation.
2.	Problem diagnosed	Growth of weeds in paddy fields during Kharif season resulted into low productivity.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Manual weeding TO I: Manual inter culturing with a grubber TO II: Inter culturing with a cono weeder.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BAU, Ranchi, Jharkhand
5.	Production system and thematic area	Application of small tools/ implements
6.	Performance of the Technology with performance indicators	i. Field Capacity ii. Number of effective tillers per hill iii. No of grains per panicles iv. 100 grain weight (g) v. Yield (q/ha) vi. Cost of cultivation (Rs./ha.) vii. Gross Return (Rs./ha.) viii. Net return (Rs./ha.) ix. B:C ratio
7.	Final recommendation for micro level situation	A Cono weeder may be the best mechanical option for inter culturing operation in paddy field when either direct seeding method of crop establishment is practiced or practicing of line transplanting is followed

8.	Constraints identified and feedback for research	Due to only pulling action of a grubber farmers were not interested to apply it for inter culturing works
9.	Process of farmers participation and their reaction	Through training and trial demonstration

B. Results with Table and good quality photographs in jpg.

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual					
	FP: Manual weeding	0.3	0.3	41.2	44982	94760	49778	2.11
• Application of small tools/ implements	TO I: Manual inter culturing with a grubber	0.3	0.3	41.8	42132	96140	54008	2.28
	TO II: Inter culturing with a cono weeder.	0.3	0.3	43.3	39456	99590	60134	2.52

Result: The trial for controlling weeds in paddy crop fields had been conducted in DSR method of cultivation in paddy. A grubber and a cono weeder had been applied for inter culturing operation as two technology options for mechanical control of weeds against the farmers practice i.e manual weeding. It was found that with the highest weeding efficiency of 97.34 % (field capacity 68.14 m²/hr), the cono weeder was the most suitable option than that with a grubber weeding efficiency 86.24 % (field capacity 48.93 m²/hr) and where manual weeding was practiced with weeding efficiency 92.11 % (field capacity 43.72 m²/hr. It was also observed that there was an increase of 5.1 % in yield with 12.2 % reduction in cost of cultivation where a cono weeder was applied for inter culturing operation in comparison to the fields where manual weeding was practiced.

OFT7: (Agrill. Engg.) (Rabi 2023-24)

- **Thematic area:** Water management
- **Problem definition/Name of OFT:** Excess water during irrigation affects the plant growth resulted into decrease in productivity, yield and benefit cost ratio

1.	Title of On farm Trial (OFT)	Assessment of Cut off ratio in wheat irrigation
2.	Problem diagnosed	Excess water during irrigation affects the plant growth resulted into decrease in productivity, yield and benefit cost ratio

3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: 100 % Irrigation TO1: Irrigation at 90% cut off TO2: Irrigation at 80 % cut off
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	DRRPCAU, Pusa
5.	Production system and thematic area	Paddy-Wheat- Green gram
6.	Performance of the Technology with performance indicators	i. No. of Irrigation. ii. Water applied (cubic meter/ha.) iii. Water Saving (cubic meter/ha.) iv. No. of effective tillers v. No. of grains per ear head vi. Sample weight (g) vii. Yield (q/ha.). viii. cost of cultivation(Rs./ha.) ix. Gross return (Rs./ha.) x. Net return (Rs./ha.) xi. B:C ratio
7.	Final recommendation for micro level situation	On the basis trials during two consecutive year 2022-23 and 2023-24, it has been observed that irrigation at 90 % cut off may be the best irrigation practice in this reason.
8.	Constraints identified and feedback for research	Proper field leveling has required for adopting the practices
9.	Process of farmers participation and their reaction	Through training and trial demonstration

B. Results with Table and good quality photographs in jpg.

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual					
Water management	FP: 100 % Irrigation	0.33	0.33	42.13	38720	89526	50806	2.31
Water management	TO1: Irrigation at 90% cut off	0.33	0.33	48.62	36960	103318	66358	2.80
Water management	TO2: Irrigation at 80 % cut off	0.33	0.33	40.34	36135	85723	49588	2.37

Result: The B:C ratio (2.80) has been found where irrigation practices with 90 % cutoff had been followed. Comparison on the basis of observation table depicts that there was an increase in yield of 15.4 per cent where method irrigation at 90 % cut off was followed against that with farmers practice i.e 100 % irrigation. The yield where irrigation method was followed at 80% cut off, it was observed that the yield has been decrease by nearly 4.25 % from farmers practice but due to less cost of cultivation the B:C ratio was observed an increase of 2.6 % from farmers practice.

OFT8: (Home Sc.)

• **Thematic area:** Value Addition

Problem definition/Name of OFT: Prevalence of malnutrition among farm family

1.	Title of On farm Trial (OFT)	Value Addition in Ragi and their quality evaluation
2.	Problem diagnosed	Prevalence of malnutrition among farm family
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practices: Consuming as a chapatti. TO ₁ : Ragi Noodles (Refined wheat flour- 70g, Ragi- 30 g, water 30 ml, Salt 2g) TO ₂ : Ragi vermicelli (Refined wheat flour- 30g, Whole wheat flour-40 g , Ragi- 30 g, water 30 ml, Salt 2g)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CAU, Tura, Meghalaya
5.	Production system and thematic area	Ragi- wheat/potato-Green gram
6.	Performance of the Technology with performance indicators	Technological observations 1. Sensory Analysis i. Taste ii. Colour iii.Flavour iv.Texture v. Overall Acceptability 2. Self life (0, 15, 30, 45, 60 and 75 days at ambient refrigerated condition) 3. Economic indicators : • Cost of cultivation • Net return • B:C Ratio
7.	Final recommendation for micro level situation	<i>A Ragi vermicelli (Refined wheat flour- 30g, Whole wheat flour-40 g, Ragi- 30 g, water 30 ml, Salt 2g) hds been found the suitable practice for Value Addition in Ragi</i>
8.	Constraints identified and feedback for research	Lack of knowledge and nutritive values of locally available millets specially Ragi

9.	Process of farmers participation and their reaction	Through training and trial demonstration
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TABLE-1. Sensory Attributes and Evaluation Criteria

Parameter	T1 Raagi Noodles	T2 Raagi Vermicelli
Appearance (Color and Shape)	Dark brown, uniform strands	Slightly darker, thinner strands
Texture (Before Cooking)	Firm, slightly rough	Softer smoother
Texture (After Cooking)	Slightly chewy, firm	Soft, slightly slippery
Aroma	Earthy, mild nutty aroma	More pronounced nutty aroma
Taste	Balanced with mild sweetness	Slightly earthy with more raagi flavor
Mouthfeel	Slightly grainy but firm	Smooth and softer
Overall Acceptability	Good for health-conscious consumers	Preferred for traditional dishes

TABLE-2 Sensory evaluation result in percentage for T1 Raagi Noodles and T2 Raagi Vermicelli, based on the 9-point Hedonic Scale:

Attributes	T1 Raagi Noodles (%)	T2 Raagi Vermicelli (%)
Appearance	83.3	86.7
Texture (Cooked)	75.6	80.7
Aroma	80.0	83.3
Taste	77.8	82.2
Mouthfeel	72.2	81.1
Overall Acceptability	78.9	84.4

TABLE3- Hypothetical Sensory Score Table(Average scores from 10 families)

Attributes	T1 Raagi Noodles	T2 Raagi Vermicelli (%)
	(Mean $\pm$ SD)	(Mean $\pm$ SD)
Appearance	7.5$\pm$0.8	7.8$\pm$0.7
Texture (Cooked)	6.8$\pm$1.0	7.2$\pm$0.9
Aroma	7.2$\pm$0.9	7.5$\pm$0.8
Taste	7.0$\pm$1.1	7.4$\pm$0.9

Mouthfeel	6.5±1.0	7.3±0.8
Overall Acceptability	7.1±0.9	7.6±0.8

Result:

- **T2 Raagi Vermicelli** scored higher in all sensory attributes and was more preferred overall (**84.4% acceptability**).
- **T1 Raagi Noodles** also had a good acceptability score (**78.9%**) but performed slightly lower in **texture and mouthfeel**.

OFT9: (Home Sc.)

• **Thematic area: Value addition**

Problem definition/Name of OFT: Prevalence of malnutrition among farm family

1.	Title of On farm Trial (OFT)	Assessment of value added products of Linseed and its organoleptic evaluation
2.	Problem diagnosed	Malnutrition among rural children
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	T1 (Use as powder occasionally with vegetables) T2 : Linseed Chikki (roasted linseed 100 g. + roasted groundnut 200 g + jaggery 200 g + Ghee 25 g.) T3 : Linseed Ladoo (roasted linseed 100 g.+ jaggery 100 g + Ghee 20 g. + Dry fruit 10 g.)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	UAS, Raichur, Karnataka
5.	Production system and thematic area	Paddy-Linseed-Green gram
6.	Performance of the Technology with performance indicators	BMI (Body Mass Index) = Weight (kg)/Height (m) ² : Pre & Post Organoleptic evaluation (Appearance, Aroma, Flavor, Texture, Taste, Crunchiness) Keeping Quality
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	Lack of knowledge and nutritive values of locally available super food specially Linseed
9.	Process of farmers participation and their reaction	Through training and trial demonstration

TABLE 1 : Comparative Percentage Table for Linseed Chikki (T1) and Linseed Ladoo (T2) based on Sensory evaluation

Attributes	T1- Chikki (%)	T2- Ladoo (%)
Appearance	88.89	83.33
Color	86.67	80.00
Texture	91.11	86.67
Taste	94.44	88.89
Flavor	92.22	87.78
Overall Acceptability	93.33	85.56
Overall Score	91.11	85.37

Interpretation:

- Linseed Chikki (T1) scored higher in all parameters, especially in texture and taste.
- Linseed Ladoo (T2) had a lower score, possibly due to texture differences.

TABLE 2 : Comparative Mean & Median Table for Linseed Chikki (T1) and Linseed Ladoo (T2) based on Sensory evaluation:

Attributes	Mean (T1-Chikki)	Median (T1-Chikki)	Mean (T1-Ladoo)	Mean (T1-Ladoo)
Appearance	8.0	8.0	7.5	7.5
Color	7.8	7.8	7.2	7.2
Texture	8.2	8.2	7.8	7.8
Taste	8.5	8.5	8.0	8.0
Flavor	8.3	8.3	7.9	7.9
Overall Acceptability	8.4	8.4	7.7	7.7
Overall Score	8.2	8.25	7.68	7.75

Result:

- Linseed Chikki (T1) scored higher in all attributes, indicating better sensory acceptability.
- Linseed Ladoo (T2) had slightly lower scores, with a softer texture and milder taste.
- Mean and Median values are closely aligned, confirming consistency in the panel's ratings.

3.3 ACHIEVEMENTS OF FRONTLINE DEMONSTRATIONS (FLD)

A. Overall achievements of FLDs conducted during the year 2024

S. No	Crop category	No. of FLD	Area (ha.)	No of beneficiaries	Yield in Demo (q/ha)	Yield in check (q/ha)
1.	Cereals					
2.	Wheat (BHU31) Rabi 2023-24	01	12	50	33.4	28.24
3.	Paddy (DRR 67)	01	0.8	02	44.6	37.2
4.	Paddy (DRR 69)	01	4.0	10	42.55	37.2
5.	Paddy (S. Heera)	01	0.4	01	46.32	37.2
6.	Water Management (Wheat Var. HD 2967)	01	02	10	Crop Standing	Crop Standing
7.						
8.	Oil Seed					
9.	Pulses					
10.	Lentil (IPL 220) Rabi 2023-24	01	04	30	12.6	9.8
11.	Horticulture Crops					
12.	Okra	01	02	10	160	130
13.	Makhana	01	03	08	28	16
14.	Brinjal	01	02	08	Crop Standing	
15.	Other crops					
16.	Hybrid crop					
17.	Livestock					
18.	Fisheries					
19.	Other enterprises					
20.	Nutri Garden	01	50 Unit	50	1.6kg./day	1.0kg/day
21.	Mushroom	01	49Unit	49	2 kg/bag	-
22.	Women empowerment					
23.	Farm Machinery					
24.	DSR Paddy (S. Sampann)	01	02	10	43.31	36.1
	Grand Total					

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

3. Pulses

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Lentil	ICM	Bio fortified	30	04	12.6	9.8	28.6	31250	80540	49290	2.58	32627	62642	30015	1.92
	Total														

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

4. Horticultural crops (separately Fruit, Vegetables, Flower, Medicinal and aromatics, etc.

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Makhana	ICM	HYV	8	3.0	28.0	16.0	75	95500	275500	180000	2.88	80000	185000	105000	2.31
Okra	ICM	HYV	10	2.0	160	130	23.07	68250	240000	171750	3.51	64500	195000	130500	3.02
	Total														

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Others (Pl. specify)										
Total Oilseeds										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl. specify)										
Total Pulses										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										
Total Veg. Crops										
Commercial Crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total Commercial Crops										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total Fodder Crops										

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

7. Livestock

Category	Them atic area	Name of the technology demonstrate d	No. of Farme r	No. of unit s	Major parameters		% change in major paramete r	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demon s ration	Chec k		Demon s ration	Chec k	Gros s Cost	Gross Retur n	Net Retur n	** BC R	Gros s Cost	Gross Retur n	Net Retur n	** BC R
Dairy																	
Cow																	
Buffalo																	
Poultry																	
Rabbitry																	
Piggery																	
Sheep and goat																	
Duckery																	
Others (Pl. specify)																	
Total																	

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

8. Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps																	
Mussels																	
Ornamental fishes																	
Others (pls specify)																	
Total																	

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

9. Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development	49	49	1.5 kg/bag	-	100	-	-	1500	11250	9750	6.5	-	-	-	-
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others(pl. specify)																
Total																

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

10. Women empowerment

Name of technology	No. of demonstrations	Name of technology	Observations		No. of Beneficiaries
			Check	Demonstration	
Women					
Drudgery Reduction					
Enterprises					
Farming System					
Health and nutrition					
Kitchen Garden					
Nutrigarden	50	House hold food security	1 kg./day	1.6 kg/day	50
Storage Technique					
Value addition					
Women Empowerment					
Others					
Total - Women					
Children					
Health and nutrition					
Others					
Total - Children					
Other if any					
Total others					
Grand Total	0	0			

11. Farm implements and machinery

Category	No. of FLDs	Name of the implement	Crop	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)	Cost reduction (Rs./ha or Rs./Unit)
						Demonstration	Check			
Sowing and planting tools and machineries	1	DSR	Paddy	10	2.0	624.3 m ² /hr	67.9 m ² /hr	359.7	14.4 man days/ ha	5587.2 Rs./ha
Total Sowing and planting Machineries										
Intercultural operation tools and machineries										
Irrigation management tools and machineries										
Plant protection tools and machineries										
Harvesting tools and machineries										
Postharvest processing tools and machineries										
Total mechanization tools and machineries										
Others										
Total of Others										

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Extension and Training activities under FLD

Sl.No	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	05.04.2024	1	50	Field Day on wheat under CRA programme
		28.05.2024	1	48	Field Day on Maize
		29.05.2024	1	38	Field Day on Green gram
2.	Farmers Training	11.01.2024	2	25	Mushroom cultivation
		7.10.2024	2	24	Mushroom cultivation
3.	Media coverage	09.08.2024	1	10	Use of nutritious diet for child immunity
		10.08.2024	1	30	New technology in modern agriculture
		12.08.2024	1	65	Training for self employment
		07.09.2024	1	24	Use of Millets in daily diet
		09.09.2024	1	20	Mushroom is best option for weight loss
		10.09.2024	1	35	Employment through dairy farming
		11.09.2024	1	26	Self employment through mushroom cultivation
		12.09.2024	1	12	Growing demand of mushroom in market
4.	Training for extension functionaries	16.09.2024	1	22	Finger millet used as super food
		13.12.2024	1	29	Integrated Farming System
		30.11.2024	1	15	IPM
		18.09.2024	1	22	Roof top gardening
		20.01.2024	1	35	Micro Irrigation System
		24.01.2024	1	160	Selection of farm implements
		25.01.2024	1	140	Micro Irrigation System

Technical Feedback on the demonstrated technologies (if any)

Sl. No	Crop	Feed Back
1	Mushroom	It is profitable and market potential having low investment and high return
2	Nutri garden	Helpful in eradication of malnutrition in rural areas
3	Wheat (BHU 31)	Suitable for quality food products
4	Paddy (DRR 67)	
5	Lentil (IPL 220)	High yielding variety suitable for production in Kosi region
6	Okra (Kashi kranti)	Suitable for koshi region
7	Brinjal (Nav kiran)	High yielding and purple colour suitable for marketing point of view
8	Makhana (S. Makhana 1)	Good popping quality
9	DSR (S. Harshit)	Low cost of cultivation with sustainable yield resulted into high B:C ratio

PERFORMANCE OF THE DEMONSTRATION UNDER CFLD ON PULSE AND OILSEED CROPS (CFLD)

(During Kharif, Rabi and Summer)

1. Technical Parameters:

S. No.	Crop season	Name of crop demonstrated	Area (ha)	Number of farmers	Detail of technology demonstrated	Detail of existing farmer practice	Yield (q/ha) in farmer field	Yield obtained in demonstration (q/ha)			Yield gap (Kg/ha) w.r.to			Yield gap minimized (%)		
								Max.	Min.	Av.	District yield (D)	State yield (S)	Potential yield (P)	D	S	P
1.	Rabi, 2023-24	Lentil	20	50	Bio Fortified Variety, IPM, INM	Local Variety	9.34	14.62	10.91	11.79	245	(-) 194	21	20.78	19.69	1.75
2.	Rabi, 2023-24	Mustard	40	100	HYV, IPM, INM	Local Variety	10.14	14.17	10.12	12.74	260	(-) 149	1326	20.40	13.24	51.0
3.	Rabi, 2023-24	Linseed	10	25	HYV, IPM, INM	Local Variety	8.15	12.16	9.15	10.56	241	(-) 202	244	22.82	23.65	18.76
4.	Rabi, 2024-25	Mustard	200	513	HYV, IPM, INM											
5.	Rabi, 2024-25	Linseed	50	127	HYV, IPM, INM											

2. Economic parameters

S. No.	Detail of technology demonstrated	Farmer's existing practice				Demonstration technology				Additional Income (Rs/ha)
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	
1.	PusaAgeti, seed treatment with Carbendazim @2 gm /kg of seed + foliar spray of Carbendazim @2gm/lit. of water at the time of flowering, Pendimethalin @1l/acre, Sulphur @30kg/ha, imidachloropid @250ml/ha, Multiplex nutrient mixture @250ml/acre	25700	60010	34310	2.34	27500	75751	48251	2.75	13941

2.	RH-725 seed @40kg/ha, Seed Treatment with carbendazin@2.5g/kg, pendimethalin@3.3l/ha, Rhizobium500ml, PSB500ml, Multiplex 250 ml/acre	23500	57291	33791	2.44	25400	71981	46581	2.83	12790
3.	Sabour Tisi-1, seed treatment with Carbendazim @2 gm /kg of seed + foliar spray of carbendazim @2gm/lit. of water at the time of flowering, Pendimethalin @1l/acre, Multiplex nutrient mixture @250ml/acre	21250	44988	23738	2.11	23120	58293	35173	2.52	11435

3. Socio-economic impact parameters

S. No.	Name of crop demonstrated	Total produce obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own their own farm (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1.	Lentil	23580	371.6	64.25	40	60	Meet family requirement	13
2.	Mustard	50960	489.6	56.50	05	15	Meet family requirement	11
3.	Linseed	10560	412.4	55.20	02	08	Meet family requirement	07

B. Pulses/Oilseed Farmers' perception of the intervention demonstrated

S. No.	Detail of technologies demonstrated	Farmers' Perception parameters						
		Suitability of technology to their farming system	Likings (Preference)	Affordability (%)	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any	Farmer feedback
1.	PusaAgeti, seed treatment with Carbendazim @2 gm /kg of seed + foliar spray of Carbendazim @2gm/lit.	The crop is suitable to the farming	Practicing INM and IPM enhanced the	Yes, low price and easy to applicable & suitable in	Attack of aphids	Yes, preferably acceptable	MSP should be such that it overcomes the negative effect of damage due to adverse	Good germination due to seed treatment,

	of water at the time of flowering, Pendimethalin @1l/acre, Sulphur @30kg/ha, imidachloropid@250ml/ha, Multiplex nutrient mixture @250ml/acre	system	yield performance	late sown condition			weather condition	good weed control by herbicide resulted in labour saving, better growth and development of plant and higher yield
2.	RH-725 seed @40kg/ha, Seed Treatment with carbendazin@2.5g/kg, pendimethalin@3.3l/ha, Rhizobium500ml, PSB500ml, Multiplex 250 ml/acre	The crop is suitable to the farming system	Possibility of cultivation in paira cropping mode	Less cost of cultivation	Minor attack of wilt	Yes, acceptable due to low cost of cultivation without requirement of any irrigation facility	MSP should be such that it overcomes the negative effect of damage due to adverse weather condition	Variety RH-725 was appreciated due to more number of pods/plant and higher yield.
3.	Sabour Tisi-1, seed treatment with Carbendazim @2 gm /kg of seed + foliar spray of carbendazim @2gm/lit. of water at the time of flowering, Pendimethalin @1l/acre, Multiplex nutrient mixture @250ml/acre	The crop is suitable to the farming system	Possibility of cultivation in paira cropping mode	Less cost of cultivation	Minor attack of wilt & Alternaria leaf spot	Yes, acceptable due to low cost of cultivation without requirement of any irrigation facility	Variety with more higher yield than local variety should incorporate.	Linseed variety has been accepted in area because of comparatively low incidence of diseases.

C. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Lentil (Rabi 2023-24)			
1. Varietal Demonstration	Satisfactory yield obtained	25.64 % higher yield obtained over local check	Varietal acceptance for future cropping plan
2. Application of bio fertilizer for seed treatment with Rhizobium @ 5gm/kg seeds 2. Treatment with 2.5gm carbendazim with 1 kg of seeds. 3. Application of insecticide @ 3ml/L of water 4. Spray of Multiplex @ 3 L/ha	Incidence of wilt is low due to seed treatment with chemical fungicide & better yield with application of bio-fertilizers. Incidence of borer is low due to spray of Chlorpyrifos 50% + Cypermethrin 5% EC		MSP should be such that it overcomes the negative effect of damage due to adverse weather condition
Mustard (Rabi 2023-24)			
1. The crop is suitable to the farming system	Satisfactory yield obtained	26.23 % higher yield obtained over local check	Varietal acceptance for future cropping plan
2. Seed treatment with fungicide @ 2.5 gm/kg seed with carbendazim 3. Application of imidachlorpid 17.8SL @ 1ml/L of water	Incidence of white rust is low due to seed treatment Incidence of sucking pest is low due to seed treatment		MSP should be such that it overcomes the negative effect of damage due to adverse weather condition
Linseed (Rabi 2023-24)			
1. The crop is suitable to the farming system	Satisfactory yield obtained	29.57 % higher yield obtained over local check	Variety is at par with the local variety
2. Seed treatment with fungicide @ 2.5 gm/kg seed with carbendazim 3. Application of monocrotophos @ 500ml per Acre of land	Incidence of wilt is low due to seed treatment Incidence of leaf cutter pest low due to seed treatment		MSP should be such that it overcomes the negative effect of damage due to adverse weather condition

D. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Training	13.11.2023 Dharampur (Nauhata)	31
2.	Training	15.11.2023 Kedli (Nauhata)	34
3.	Field Day	29.02.2024 Laxminiya (Sattarkataiya)	50
4.	Training	15.11.2024 Kedli (Nauhata)	32
5.	Training	19.11.2024 Kedli (Nauhata)	34
6.	Training	22.11.2024 Kedli (Nauhata)	34
7.	Training	16.12.2024 Barsam (SimriBakhtiyarpur)	30
8.	Training	30.12.2024 Ghoghsam (SimriBakhtiyarpur)	30

E. Sequential good quality photographs (as per crop stages i.e. growth & development)**F. Farmers' training photographs****G. Quality Action Photographs of field visits/field days and technology demonstrated.****H. Details of budget utilization**

Crop (Provide crop wise information)	Items	Area (ha) allotted	Area (ha) achieved	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input	250	250	696875	622957	73918
	ii) TA/DA/POL etc. for monitoring					
	iii) Extension Activities (Field Day)					
	iv) Publication of literature					
	Total					

A. Farmers and farm women including the sponsored training programme (on campus)

(Mandated KVK trainings/sponsored training /FLD training programmes):

A. Farmers and farm women including the sponsored training programme (on campus)

[illegible]

[illegible]

[illegible]

[illegible]

B) Rural Youth Including the sponsored training programmes (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	4	21	9	30	3	87	90	0	0	0	24	96	120
Bee-keeping	2	19	12	31	5	15	20	0	0	0	24	27	51
Integrated farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Seed production	2	16	0	16	13	19	32	0	0	0	29	19	48
Production of organic inputs	1	13	1	14	7	1	8	0	0	0	20	2	22
Integrated Farming	2	36	12	48	13	9	22	0	0	0	49	21	70
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-culture	1	14	9	23	4	3	7	0	0	0	18	12	30
Sericulture	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	1	39	7	46	26	3	29	0	0	0	65	10	75
Commercial fruit production	0	0	0	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	1	7	5	12	7	21	28	0	0	0	14	26	40
Nursery Management of Horticulture crops	1	10	18	28	2	7	9	0	0	0	12	25	37
Training and pruning of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	1	1	0	1	2	35	37	0	0	0	3	35	38
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Dairying	1	5	31	36	2	4	6	0	0	0	7	35	42
Sheep and goat rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry production	1	0	0	0	4	26	30	0	0	0	4	26	30
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0	0	0	0	0	0
Post-Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Tailoring and Stitching	1	0	0	0	0	15	15	0	0	0	0	15	15
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	19	181	104	285	88	245	333	0	0	0	269	349	618

C) Extension Personnel Including the sponsored training programmes (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field	3	135	50	185	16	19	35	0	0	0	151	69	220

D) Farmers and farm women Including the sponsored training programmes (off campus)

[illegible]

[illegible]

[illegible]

[illegible]

E) RURAL YOUTH Including the sponsored training programmes (Off Campus)

[illegible]

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
orchards													
Value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Dairying	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheep and goat rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0	0	0	0	0	0
Post-Harvest Technology	1	0	0	0	0	22	22	0	0	0	0	22	22
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	2	36	10	46	19	7	26	0	0	0	55	17	72
TOTAL	7	94	23	117	46	76	122	0	0	0	140	99	239

F) Extension Personnel Including the sponsored training programmes (Off Campus)

Thematic Area	No. of Course s	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	1	15	0	15	0	0	0	0	0	0	15	0	15
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	1	12	25	37	8	30	38	0	0	0	20	55	75
Information networking among farmers	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	1	108	11	119	23	4	27	0	0	0	131	15	146

i. Farmers & Farm Women

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

ii. RURAL YOUTH (On and Off Campus)

[illegible]

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
culture													
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0	0	0	0	0	0
Post-Harvest Technology	1	0	0	0	0	22	22	0	0	0	0	22	22
Tailoring and Stitching	1	0	0	0	0	15	15	0	0	0	0	15	15
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Others if any (ICT application in agriculture)	4	72	22	94	32	16	48	0	0	0	104	38	142
TOTAL	26	275	127	402	134	321	455	0	0	0	409	448	857

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	3	135	50	185	16	19	35	0	0	0	151	69	220
Integrated Pest Management	2	30	1	31	0	0	0	0	0	0	30	1	31
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	1	22	0	22	0	0	0	0	0	0	22	0	22
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	1	17	25	42	8	30	38	0	0	0	20	55	75
Information networking among farmers	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	1	103	4	107	42	4	46	0	0	0	145	8	153

Care and maintenance of farm machinery and implements	5	350	30	380	124	17	141	0	0	0	474	47	521
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and Child care	0	0	0	0	0	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop intensification	0	0	0	0	0	0	0	0	0	0	0	0	0
Others if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	13	657	110	762	190	70	260	0	0	0	847	180	1022

Please furnish the details of training programmes as Annexure in the proforma given below

Discipline	Client	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of SC/ST			Number of participants (others)			Over all participants
					M	F	Total	M	F	Total	
Agronomy											
	PF	Mushroom Cultivation	01	OFF	26	6	32	16	2	18	50
	PF	Use of Bio fertilizers in green gram	01	ON	03	28	31	0	3	3	34
	PF	Use of pre emergence herbicide	01	OFF	17	5	22	27	1	28	50
	PF	Application of DSR tech for paddy cultivation	01	OFF	0	0	0	20	0	20	20
	PF	Natural farming	01	OFF	9	0	9	40	2	42	51
	PF	Field Preparation for Paddy Nursery	03	ON	11	19	30	0	0	0	30
	PF	Kharif Mahaabhiyan	01	OFF	11	9	20	40	10	50	70
	PF	Kharif Mahaabhiyan	01	OFF	22	08	30	103	07	110	140
	PF	Kharif Mahaabhiyan	01	OFF	03	25	28	70	7	77	105
	PF	Application of DSR Technology in Paddy	01	OFF	16	32	48	01	0	1	49

		cultivation									
	PF	Nursery Management	01	OFF	2	3	5	23	06	29	34
	PF	INM	01	OFF	0	0	0	17	3	20	20
	PF	Kharif crop production technique	01	ON	2	0	2	16	0	16	18
	PF	Management of weed in DSR	01	OFF	0	0	0	27	21	48	48
	PF	INM in Paddy	01	OFF	6	28	34	0	0	0	34
	PF	Weed Management in	01	OFF	6	14	20	0	0	0	20
	PF	INM in Field crop	01	ON	7	4	11	16	5	21	32
	PF	IWM in Paddy	01	OFF	10	6	16	49	10	59	75
	PF	INM in Paddy	01	OFF	0	0	0	40	9	49	49
	PF	INM in Paddy	01	OFF	1	0	1	18	04	22	23
	PF	Weed Management in Finger Millet	01	OFF	7	3	10	23	1	24	34
	PF	Weed management in Paddy	01	OFF	0	9	9	20	4	24	33
	PF	Nutrient Management in Crops	01	ON	8	0	8	23	3	26	34
	RY	Nutrient Management in Kharif Crops	05	OFF	19	7	26	24	7	31	57
	PF	Field preparation for Rabi Crops	01	OFF	14	05	19	41	03	44	63
	PF	Field preparation for Rabi Crops	01	OFF	01	0	01	29	11	40	41
	PF	Value addition	01	OFF	0	18	18	0	0	0	18
	PF	Field Preparation for Rabi Crops	01	OFF	02	0	02	45	27	72	74
	PF	Land preparation for Rabi Crops	01	OFF	03	04	07	19	2	21	28
	PF	Land preparation for mustard and lentil crops	01	ON	0	0	0	12	3	15	15
	PF	Sowing of lentil crops with recommended dose of fertilizers	01	ON	15	1	16	13	1	14	30
	PF	Planting of potato with recommended dose of fertilizers	01	ON	7	4	11	17	4	21	32
	PF	INM in Mustard	01	ON	6	2	8	16	4	20	28
	PF	ICM & INM in sowing of Field Pea	01	ON	8	2	10	18	3	21	31
	PF	Sowing of wheat with ZTT	01	ON	0	2	2	12	2	14	16
	PF	INM in wheat	01	ON	0	0	0	15	3	18	18

		sowing									
	PF	Nutrient management in Rabi crops	01	OFF	17	06	23	105	11	116	139
	PF	Post harvest technique in Mushroom cultivation	01	ON	0	29	29	0	0	0	29
	PF	Weed Management	01	OFF	2	0	2	22	6	28	30
	EF	Importance of IFS	01	ON	0	0	0	13	16	29	29
Entomology	PF	IPM in Green Gram	01	OFF	17	5	22	27	01	28	50
	PF	Benefit of ZTT Technique	01	OFF	22	8	30	16	4	20	50
	PF	IPM & IDM in Green gram	01	OFF	0	0	0	20	0	20	20
	PF	IPM & IDM in Green gram	01	OFF	07	0	07	18	0	18	25
	PF	IPM in Paddy	01	OFF	13	33	46	4	0	4	50
	PF	IPM & IDM in DSR Paddy	01	OFF	15	19	34	9	7	16	50
	PF	Kharif Maha abhiyan	01	OFF	53	19	72	107	33	140	212
	RY	Kharif Crop Production Technique	07	ON	2	0	2	16	0	16	18
	PF	IPM in Paddy	01	OFF	5	0	5	17	0	17	22
	RY	Mushroom Production	05	ON	1	32	33	0	0	0	33
	PF	Diagnosis & management of sheath blight in paddy	01	ON	08	0	08	23	3	26	34
	RY	IPM in Kharif crops	05	OFF	19	7	26	24	7	31	57
	PF	Mushroom Production	01	ON	0	18	18	0	0	0	18
	PF	Management of fall army worm in Maize	01	ON	0	0	0	12	3	15	15
	EF	Effective insecticide for Insect management in crops	01	OFF	0	0	0	15	0	15	15
	RY	Skill Development Training on Beekeeping	10	ON	0	2	2	14	5	19	21
	PF	Beekeeping	03	OFF	8	2	10	34	6	40	50
Horticulture	PF	Importance of Natural Farming and its components	01	ON	11	0	11	27	0	27	38
	PF	INM and low cost	01	OFF	16	3	19	19	2	21	40

		eco friendly strategy for sustainable Vegetable production									
	RY	Importance and benefit of Natural Farming	02	ON	2	4	6	18	6	24	30
	PF	Vegetable Production	01	OFF	24	6	30	0	0	0	30
	RY	Off season veg. production	01	ON	26	3	29	39	7	46	75
	PF	Care & maintenance of mango orchard	01	OFF	3	1	4	14	12	26	30
	PF	Package and practices of summer vegetables	01	OFF	6	3	9	17	4	21	30
	PF	Use of fertilizers in fruit plants	01	ON	14	9	23	35	4	39	62
	PF	Scientific cultivation of moong	01	OFF	0	0	0	48	2	50	50
	PF	Scientific cultivation of moong	01	OFF	26	6	32	16	2	18	50
	PF	Scientific cultivation of summer season veg. crops	01	OFF	02	11	13	3	14	17	30
	PF	ZTT sowing of Green Gram	01	OFF	22	08	30	16	4	20	50
	PF	Scientific cultivation of rainy season crop	01	OFF	7	0	7	18	0	18	25
	PF	Care & maintenance of orchard	01	OFF	0	0	0	20	0	20	20
	PF	Scientific cultivation of finger millet	01	OFF	11	01	12	18	3	21	33
	PF	Care & management of orchard after harvesting	01	OFF	5	39	44	0	1	1	45
	PF	Scientific cultivation of medicinal and gardening plants	01	OFF	2	0	2	15	0	15	17
	PF	Scientific cultivation of rainy season veg. crops	01	OFF	1	13	14	0	9	9	23
	PF	Cultivation of low	01	ON	7	4	11	16	5	21	32

		volume high value crops									
	PF	Care and management of orchard	01	OFF	0	0	0	20	3	23	23
	RY	Natural farming	01	ON	11	5	16	18	6	24	40
	PF	Care and Management of Orchard	01	OFF	2	4	6	5	31	36	42
	PF	Off season vegetable cultivation	01	OFF	0	7	7	9	17	26	33
	PF	Nursery management of cool season vegetables	01	ON	7	1	8	24	2	26	34
	PF	Propagation technique of mango	01	ON	48	26	74	159	18	177	251
	RY	Dairy Management	05	ON	2	4	6	5	31	36	42
	RY	Vegetables cultivation Technique	05	ON	2	7	9	10	18	28	37
	EF	Importance of Roof top gardening	01	ON	0	0	0	22	0	22	22
	PF	Care & management of Orchard	01	OFF	7	30	37	6	7	13	50
	PF	Off season vegetable cultivation	01	ON	0	0	0	12	3	15	15
	PF	Lemon grass cultivation	01	OFF	17	8	25	32	43	75	100
	PF	Seed treatment and fertilizer application in Mustard	01	OFF	0	0	0	32	0	32	32
	PF	Care & management of old orchard	01	OFF	2	28	30	0	0	0	30
	PF	Cultivation of Oilseed	01	OFF	6	0	6	28	0	28	34
	PF	Off season vegetable cultivation	01	OFF	7	23	30	0	0	0	30
	PF	Package and practices for mustard cultivation	01	OFF	7	0	7	27	0	27	34
	PF	Package and practices for Oilseed cultivation	01	OFF	6	0	6	24	0	24	30
	PF	Off season	01	OFF	5	8	13	3	9	12	25

		vegetable cultivation									
	PF	Seed treatment and fertilizer application in Mustard	01	OFF	2	0	2	22	6	28	30
	PF	Package and practices for mustard cultivation	01	OFF	6	10	16	8	2	10	26
Agricultural Engg.	PF	Application of sprinkler for higher water use efficiency	01	OFF	5	8	13	8	9	17	30
	PF	Operation and maintenance of a knapsack sprayer	01	OFF	6	9	15	7	8	15	30
	EF	Fertigation through application of a Micro irrigation set	01	OFF	7	3	10	21	4	25	35
	EF	Selection of farm implements for higher BC ratio	01	OFF	41	02	43	114	3	117	160
	EF	Application of MIS for higher water use efficiency	01	OFF	42	03	45	89	6	95	140
	PF	Application of herbicides for weed control in wheat	01	OFF	0	0	0	23	27	50	50
	PF	Application of herbicides for weed control in maize	01	OFF	12	21	33	17	0	17	50
	PF	Application of ZTT in sowing of green gram	01	OFF	5	16	21	4	3	7	28
	PF	Application of MIS in horticultural crops	01	OFF	38	24	62	124	28	152	214
	PF	Application of ZTT for cultivation of green gram	01	OFF	0	0	0	32	18	50	50
	PF	Balance doses of fertilizers for wheat crops	01	OFF	24	26	50	0	0	0	50
	PF	Application of ZTT sowing of green gram	01	OFF	04	14	18	8	2	10	28
	PF	Application and maintenance of	01	ON	11	2	13	45	4	49	62

		Agri. drone									
	PF	Application of Zero Tillage Technique in cultivation of Green gram	01	OFF	2	11	13	3	14	17	30
	PF	Scientific cultivation of green gram	01	OFF	22	08	30	16	04	20	50
	PF	Application of DSR technique in cultivation of Rice	01	OFF	0	0	0	20	0	20	20
	PF	Application of DSR technique in cultivation of Rice	01	OFF	5	17	22	0	8	8	30
	PF	Scientific cultivation of finger millet	01	OFF	11	1	12	18	3	21	33
	PF	Controlled pressure devices and their role for achieving high water use efficiency	01	ON	4	0	4	17	0	17	21
	PF	Application of DSR method for sowing of paddy	01	OFF	48	19	67	12 6	8	134	201
	PF	RCT by application of DSR	01	OFF	16	32	48	1	0	1	49
	PF	RCT by application of DSR	01	OFF	2	3	5	23	6	29	34
	PF	RCT by application of DSR	01	OFF	0	0	0	17	3	20	20
	PF	RCT by application of DSR	01	OFF	5	39	44	0	1	1	45
	PF	RCT by application of DSR	01	OFF	1	13	14	0	9	9	23
	PF	Application of DSR	01	ON	2	0	2	16	0	16	18
	PF	RCT by application of DSR	01	OFF	0	0	0	27	21	48	48
	PF	RCT by application of DSR	01	OFF	23	13	36	6	3	9	45
	PF	RCT by application of DSR	01	OFF	3	8	11	32	2	34	45
	PF	RCT by application of	01	OFF	12	7	19	38	3	41	60

		DSR									
	PF	Application of DSR implements in paddy cultivation	01	ON	7	4	11	16	5	21	32
	PF	Application and maintenance of sprayer and duster	01	OFF	0	0	0	20	3	23	23
	PF	Application of sowing implements for enhancing profitability	01	OFF	0	0	0	22	0	22	22
	EF	Application and maintenance of farm implements for achieving higher field efficiency	01	ON	11	5	16	18	6	24	40
	RY	Vermi compost Producer	01	OFF	4	3	7	14	9	23	30
	EF	Bihar Krishi Mobile app	01	OFF	42	4	46	103	04	107	153
	PF	Application of a conoweeder	01	OFF	10	6	16	49	10	59	75
	PF	Application and maintenance of different sprayer	01	OFF	0	0	0	40	9	49	49
	PF	ICM	01	OFF	1	0	1	18	4	22	23
	PF	RCT through MIS	01	OFF	0	9	9	20	4	24	33
	PF	RCT through MIS	01	OFF	2	17	19	3	1	4	23
	PF	Income generation through Backyard poultry	01	OFF	2	18	20	5	0	5	25
	RY	Application and maintenance of farm machine	05	OFF	7	21	28	7	5	12	40
	PF	Application and maintenance of sprayer and duster	01	OFF	14	5	19	41	3	44	63
	PF	Application and maintenance of sprayer and duster	01	OFF	1	0	1	29	11	40	41
	PF	Water management	01	OFF	0	0	0	10	0	10	10
	PF	Application and maintenance of sprayer and duster	01	OFF	2	0	2	45	27	72	74
	PF	Application of Low cost sowing technique	01	OFF	7	30	37	6	7	13	50
	PF	Application and maintenance of sprayer and duster	01	OFF	3	4	7	19	2	21	28
	PF	Sowing of lentil	01	ON	15	1	16	13	1	14	30

		with application of ZTT									
	PF	Sowing of lentil with application of ZTT	01	ON	7	4	11	17	4	21	32
	PF	Application of improved technology for sowing of mustard on raised bed	01	ON	6	2	8	16	4	20	28
	PF	Application of improved technology for sowing of pea on raised bed	01	ON	8	2	10	18	3	21	31
	PF	Application of ZTT	01	OFF	2	28	30	0	0	0	30
	PF	Application of ZTT	01	OFF	7	23	30	0	0	0	30
	EF	Calibration , operation & maintenance of a seed cum ferti. drill	01	OFF	23	4	27	108	11	119	146
	PF	Application of Maize planter	01	OFF	48	26	74	126	23	149	223
	EF	Application of improved practices for cultivation of wheat	01	OFF	16	19	35	109	18	127	162
	RY	Vermi compost Producer	10	ON	7	1	8	13	1	14	22
	PF	RCT with application of ZTT in wheat	01	OFF	5	8	13	3	9	12	25
	PF	Water management	01	OFF	6	10	16	8	2	10	26
Home Sc.	PF	Technique of Mushroom Cultivation	01	OFF	0	11	11	3	11	14	25
	RY	Mushroom Production Technology	01	ON	0	0	0	21	3	24	24
	PF	Value added products of Millets	01	OFF	7	14	21	0	0	0	21
	RY	Beekeeping	01	ON	5	13	18	5	7	12	30
	PF	Backyard poultry farming	01	ON	6	9	15	0	0	0	15
	PF	Value added products of Ragi	01	ON	0	17	17	0	0	0	17
	PF	Technique of Mushroom Cultivation	02	ON	3	15	18	0	0	0	18

	PF	Value addition of locally available millets	02	ON	0	22	22	0	0	0	22
	PF	Eradication of malnutrition through Nutri garden	01	ON	17	37	54	0	0	0	54
	PF	Technique of Mushroom cultivation	01	ON	0	21	21	0	0	0	21
	PF	Importance of Nutri Garden	01	ON	0	21	21	0	0	0	21
	RY	Poultry farming	02	ON	4	26	30	0	0	0	30
	EF	Value addition of waste materials	01	ON	0	0	0	15	1	16	16
	RY	INM in Paddy	02	ON	11	19	30	0	0	0	30
	PF	Importance of Nutri Garden	01	ON	3	17	20	0	0	0	20
	PF	Role of Nutri. garden for eradication of malnutrition	01	OFF	0	25	25	0	0	0	25
	PF	Importance of Ragi and its value added products	01	OFF	0	18	18	0	0	0	18
	PF	Backyard Poultry farming	01	OFF	0	20	20	0	0	0	20
	RY	Technique of Mushroom cultivation	05	ON	1	23	24	0	6	6	30
	PF	Women & child care	01	OFF	5	15	20	0	0	0	20
	PF	Value added products of millets	01	ON	8	18	26	0	0	0	26
	PF	Income generation	01	OFF	1	16	17	0	0	0	17
	RY	Mushroom cultivation techniques	05	ON	1	32	33	0	0	0	33
	PF	Backyard Poultry	01	OFF	10	18	28	0	0	0	28
	PF	Value addition of Ragi	01	OFF	2	17	19	0	0	0	19
	PF	Importance of Nutri Garden	01	ON	1	25	26	0	4	4	30
	PF	Mushroom production Technique	01	ON	0	18	18	0	0	0	18
	RY	Millets and its value addition	02	ON	2	35	37	1	0	1	38
	EF	Mushroom Production	02	OFF	8	30	38	12	25	37	75
	PF	Importance of post harvest technology	01	ON	0	18	18	0	4	4	22
	PF	Techniques of wheat cultivation	01	ON	10	13	23	0	0	0	23
	RY	Water & Nutrient	01	OFF	0	20	20	0	0	0	20

		management									
	RY	Crop cutting & residue management	01	OFF	0	22	22	0	0	0	22
	PF	Importance of millets production in our diet	01	ON	0	24	24	0	7	7	31
	PF	Importance of PHT	01	ON	0	29	29	0	0	0	29
	RY	Sewing and cutting training for self employment	30	ON	0	15	15	0	0	0	15
	EF	Importance of IFS	01	ON	0	0	0	13	16	29	29

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self-employed after training			Number of persons employed elsewhere
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Paddy	INM	INM in Kharif Crops	05	43	14	57	Self-employed		12	02
Paddy	ICM	ICM in Paddy	07	18	0	18	Self-employed		06	
Mushroom	Mushroom Cultivation	Mushroom Cultivation	05	1	32	33	Self-employed	2	12	03
Bee Keeping	Enterprise Development	Bee Keeping	10	14	07	21	Self-employed	1	05	06
Vegetable	Income Generation	Vegetable cultivation	05	12	25	37	Self-employed	2	06	08
Dairy	Enterprise Development	Dairy Farming	05	7	35	42	Self-employed		22	2
Vermicompost	Self Employment	Vermicompost Producer	10	20	2	22	Self-employed	4	4	2

*Training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

Sl.	Title	Themati c area	Mont h	Duration (days)	Client PF/R/Y/ EF	No. of courses	No. of Participants										Sponsor ing Agency
							Male			Female			Total				
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1	Fertigation through MIS	MIS	Jan	01	EF	01	21	7	0	4	3	0	25	10	0	35	MBAC , Saharsa
2	Select ion of Farm Imple ments	Care & Maintenan ce of farm implem ents	Jan	01	PF	01	114	41	0	03	02	0	117	43	0	160	DAO, Saharsa
3	Appli cation of MIS	MIS	Jan	01	PF	01	89	42	0	6	3	0	95	45	0	140	DAO, Saharsa
4	Appli cation of MIS for Horti cultur al crops	MIS	Feb.	01	PF	01	124	38	0	28	24	0	152	62	0	214	ADH, Saharsa
5	INM in fruit plants	INM	Mar ch	01	PF	01	35	5	9	4	6	3	39	11	12	62	NFL Bhagal pur
6	Appli cation and maint enanc e of Agri drone	Drone Tech	Mar ch	01	PF	01	45	11	0	4	2	0	49	13	0	62	NFL Patna
7	Value Additi on of waste materi al	Value Addition	May	01	RY	01	15	0	0	1	0	0	16	0	0	16	RRS, Agwanp ur
8	ICM in Paddy	ICM	June	01	PF	01	40	07	04	10	03	6	50	10	10	70	ATMA Saharsa

9	Appli cation of DSR for paddy cultiv ation	RCT	June	01	PF	01	126	48	0	08	19	0	134	67	0	201	ATMA Saharsa
10	ICM in Paddy	ICM	June	01	PF	01	103	15	07	07	5	3	110	20	10	140	ATMA Saharsa
11	ICM in Paddy	ICM	June	01	PF	01	70	03	0	7	25	0	77	28	0	105	ATMA Saharsa
12	IDM in Paddy	IDM	June	01	PF	01	107	53	0	33	19	0	140	72	0	212	ATMA Saharsa
13	Vermi comp ost Produ ction	Producti on of Organic input	Aug	02	PF	01	14	04	0	09	03	0	23	7	0	30	SBI, RSETI Saharsa
14	Bihar Krishi Mobil e app	ICT	Aug.	01	EF	01	103	42	0	04	04	0	107	46	0	153	DAO, Saharsa
15	Incom e Gener ation	Mushroo m Producti on	Oct.	01	PF	01	12	08	0	25	30	0	37	38	0	75	DHO, Saharsa
16	Cultiv ation of Lemo n grass	Propagat ion tech. of Aromati c plant	Oct.	02	PF	01	32	15	2	43	3	5	75	18	7	100	ADH Saharsa
17	IWM in maize and wheat	IWM	Nov	01	PF	01	105	17	0	17	6	0	122	23	0	145	ATMA Saharsa
18	IPM in Rabi crops	IPM	Nov	01	EF	01	15	0	0	0	0	0	15	0	0	15	ADPP Saharsa
19	Calibr ation of ZT drill	RCT	Nov	01	PF	01	108	23	0	11	4	0	119	27	0	146	ATMA, Saharsa
20	Appli cation of Maize Plante r	Care & Mainten ance of farm impleme nts	Nov	01	PF	01	126	48	0	13	26	0	149	74	0	223	ATMA Saharsa

[illegible]

Total no.				No. of participants	Fund
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Total no of training organized	Name of QP/ Job role	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
01	Garden Keeper	Garden Keeper	210	7	0	0	0	1 8	0	25	0	25	219509

Total				No. of participants	Fund
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[illegible]

(Including activities of FLD programmes)

[illegible]

B. Other Extension/content mobilization activities

Nature of Extension Activity	No. of activities
Newspaper coverage	48
Radio talks	02
TV talks	02
Popular articles published	08
Extension Literature	12
Electronic media	06
Any other	0

C. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology

D. Celebration of important days in KVKs

[illegible]

World 'Milk Day	0	0	0	0	0	0	0	0	0	0
International Yoga Day (21st Jun.)	01	16	8	24	0	0	0	16	8	24
Independence Day (15th Aug.)	01	103	43	146	0	0	0	103	43	146
Parthenium Awareness Week	06	252	127	379	0	0	0	252	127	379
Hindi Diwas (14th Sep.)	0	0	0	0	0	0	0	0	0	0
Gandhi Jayanti (2nd Oct.)	01	33	23	56	0	0	0	33	23	56
Mahila Kisan Diwas (15th Oct.)	01	08	21	29	0	0	0	08	21	29
World Food Day (16th Oct.)	0	0	0	0	0	0	0	0	0	0
Vigilance Awareness Week	0	0	0	0	0	0	0	0	0	0
National Unity Day (31st Oct.)	0	0	0	0	0	0	0	0	0	0
World Science Day (10th Nov.)	0	0	0	0	0	0	0	0	0	0
National Education Day (11th Nov.)	0	0	0	0	0	0	0	0	0	0
Fisheries day (21 Nov)	0	0	0	0	0	0	0	0	0	0
National Constitution Day (26th Nov.)	0	0	0	0	0	0	0	0	0	0
World Soil Day (5th Dec.)	0	0	0	0	0	0	0	0	0	0
Kisan Diwas (23 rd Dec.)	0	0	0	0	0	0	0	0	0	0
Any other day	02	43	24	67	4	1	5	47	25	72

E. Interaction/Live telecast programme of Hon'ble PM/Hon'ble or Argil Minister

Sl.	Date of event	Name of Event/Programme	Interaction of Hon'ble PM/AM	Participants			
				Farmers	Staffs	VIP/Others	Total
01	18.06.2024	PM Kisan Samman Nidhi	PM	180	11	03	194

3.5 A. PRODUCTION AND SUPPLY OF TECHNOLOGICAL PRODUCTS

A. Seed production at seed village

Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved in village seed production	Number of farmers to whom seed provided			
					SC	ST	Other	Total
Total								

B. Seed production at KVK farm

Type of seed produced	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Cereals	Wheat (DBW 187, HI 1563)	57.8	323680	34	0	98	132
Oil seed	Mustard (RH 725)	7.4	87180	42	0	172	214

	Linseed (S. Tisi 1)						
Pulses	Lentil (IPL 316, IPL 220) Pea(IPFD 10-12, IPFD 1603)	35.45	432450	43	0	93	136
Green Manure							
Commercial crop							
Vegetables	Potato (Yusi Map, Badi Aaloo, K. Pukraj)	25	750000	0	0	4	4
Fodder							
Spices							
Fruits							
Forest crop							
Ornamental/flower							
Medicinal							
Grand Total							

C. Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower	Fortaleza	8065	15930	12		49	61
Cabbage	Green top	1722	2798	7		12	19
Tomato	VL 642	4553	8554	11		21	32
Brinjal							
Chilli	NS 2572	2341	7023				In Nursery
Onion							
Others: Capsicum	Indra	3933	10227	8		9	17
Broccoli	NS 50	5931	17097	3		13	16
Colored Cauliflower	Valentena	387	705	2		9	11
Commercial seedlings							
Mulberry							
Sugarcane,							
Sweet Potato							
Turmeric							
Zinger							
Others							
Fruits seedlings							
Mango	Amarpali	150	12000	2	0	8	10
	Jardalu	200	16000	7	0	12	19
Guava							
Lime							
Papaya	Sapana	930	13950	32		112	144
Banana							
Ornamental plants							

Marigold							
Annual chrysanthemum							
Tuberose							
Others							
Medicinal and Aromatic Plantation							
Tuber Elephant yams							
Spices							
Grand Total							

D. Forest species

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total

E. Fodder crops saplings

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total

F. Production of Bio-Products

Name of product	Quantity (Kg)	Value (Rs.)	No. of Farmers benefitted			
			SC	ST	Other	Total
Bio-fertilizers	12500	1,00,000	64	38	148	250
Bio-food(Spirulina etc)						
Bio-pesticide						
Bio-agents (Trichocardetc)						
Worms (earthworm, silk worms etc)						
Bio-fungicide						
Others, please specify (Mushroom spawn, Culture Mineral Mixture, Coir pith compost, Cow dung, Cow urine	2296	293580	146	0	49	195
Total						

G. Production of livestock & fisheries materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted			
				SC	ST	Other	Total
Dairy animals							
Cows							
Buffaloes							
Calves							
Others (Pl. specify)							
Small ruminants							
Sheep							
Goat							
Other, please specify							
Poultry							
Broilers							
Layers							
Duals (broiler and layer)							
Japanese Quail							
Turkey							
Emu							
Ducks							
Others (Pl. specify)							
Piggery							
Piglet							
Hog							
Others (Pl. specify)							
Rabbitry							
Fisheries							
Indian carp							
Exotic carp							
Mixed carp							
Fish fingerlings							
Spawn							
Others (Pl. specify)							
Grand Total							

H. SOIL & WATER TESTING**a. Details of equipment available in Soil and Water Testing Laboratory**

Sl. No	Name of the Equipment	Qty.
1	pH meter	01
2	CEC meter	01
3	Electronic balance	01
4	Distillation unit	01
5	Spectrometer	01
6	Thermostatic plate	01
7	Hot air oven	01
8	Horizontal shaker	01

b. Details of samples analyzed so far

Total number of soil samples analyzed till now		
Through mini soil testing kit/labs	Through soil testing laboratory	Total
0	13	13

c. Detail of Soil, Water and Plant analysis at KVK (2024)

Sl.	Analysis	No. of Samples analyzed	No. of Villages covered	No. of Farmers benefitted	Amount realized (Rs.)
1.	Soil	13	02	13	1540
2.	Water				
3.	Plant				
4.	Fertilizers				
5.	Manures				
6.	Food				
7.	Others (if any)				

d. Details of World Soil Day Celebration

Sl. No.	No. of Activity conducted	Soil Health Cards distributed	No. of farmers benefitted	No. of VIPs Number of	Name (s) of VIP(s) involved if any	Total No. of Participants attended the program

I. Activities under Rain Water Harvesting structure and Micro Irrigation System

S. No	No of training programme conducted	No. of demonstrations	No. of plant material produced	Visit by the farmers (No.)	Visit by the officials (No.)

3.5. b. Seed Hub Programme - “Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India”**1. Name of Seed Hub Centre:**

Name of Nodal Officer:	
Address :	
e-mail :	
Phone No. :	
Mobile :	

2. Quality Seed Production of Pulses

Season	Name of crop taken under seed production	Name of variety taken under seed production	Crop and variety wise area (ha) covered under seed production	Crop and variety wise Yield (Q/ha)	Crop and variety wise quantity of seed produced (Q)	Crop and variety wise quantity of seed sale out (Q)	Crop and variety wise number of farmers purchased seed from KVK	Quantity of seed sale out to farmers (Q)	No of village covered through sale of seed	Quantity of seed sale out to other organization (Q)	Amount generated (Lakh) during 2024-24	Total amount (Lakh) in Seed Hub project presently

3. Financial Progress

Fund received		Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
		Infrastructure	Revolving fund		
2016-17	1196314.72	0	904523	291796.72	
2017-18	1188674	0	941086	539384.72	
2018-19	1391550	0	1179779	751155.72	
2019	1300758	0	1371116	680797.72	
2020	1540749	0	850807	1370739.72	
2021	1823849	0	1168373	2026215.72	
2022	1249929	0	1543724	1732414.72	
2023	2127865	0	1535078	2325201.72	
2024	2840447	286914	1482139	3396596.72	

4. Infrastructure Development

Item	Progress
Seed processing unit	Repairing of seed Processing machine
Seed storage structure	
Nursery	
Animal sector	
Mushroom / other enterprises	
Others	Farmers hostel repairing

3.6 HUMAN RESOUSES DEVELOPMENT, PUBLICATIONS, AWARDS & RECOGNITION

A. Details of Research papers published by KVK (with full title, author & journal)

S.No	Item	Details of publication bibliographic form (Authors name, year, title, volume, issue, page no, journal name)	NASS Rating	
			>6	<6
1	Research paper	Pankaj Kumar Ray, Pallavi Bharti, RN Singh and Anjani Kumar (2024). A farmer participatory approach to integrated nutrient management in tomato, 7(7): 213-216, <i>International Journal of Research in Agronomy</i>		5.20
		Ray, P. K., Pallavi Bharti, R. N. Singh, and Anjani Kumar (2024). Assessing the Efficacy of Different Herbicides for Controlling Weeds in Rabi Onion (<i>Allium Cepa</i> L) at Saharsa District of Bihar, India, 10 (3):249-54, <i>Asian Journal of Soil Science and Plant Nutrition</i>		5.06
		Pankaj Kumar Ray, Pallavi Bharti, RN Singh and Anjani Kumar (2024). Effects of front line demonstrations on pea (var. Prakash) yield and economics in the Koshi zone of Bihar, 8(7): 474-476, <i>International Journal of Advanced Biochemistry Research</i>		5.29
		Ray, Pankaj Kumar, Nityanand, Anjani Kumar, and Raj Narain Singh (2024). Evaluation of INM Practices on Fruit Yield and Quality of Established Mango Orchard, 10 (3):376-83, <i>Asian Journal of Soil Science and Plant Nutrition</i>		5.06
		Pankaj K. Ray, A.Adarsh, S. S. Solankey, R. B. Verma, R. K. Verma, V. K. Pandey, A. K. Pandey, S. P. Singh, Ashutosh Singh, A. P. Singh (2024). Inter and Intraspecific Hybridization for Higher Yield, Improved Fruit Quality and ToLCV Tolerance in Tomato (<i>Solanumlycopersicum</i> L.), 55(11), <i>AMA-Agricultural Mechanization in Asia Africa and Latin America</i>	6.40	

B. Details of Other Publications

Particulars	Details of publication bibliographic form	No of copies published (if any)	No of copies distributed (if any)
Abstracts in Seminar/conference/symposia published	Pandey V K, Ray P K , Pandit A, Shekhar A, Nityanand & Kumar A: Assessment of the effect of conservation tillage practices on water use efficiency on Paddy-Wheat- Green gram cropping system in Koshi region	In soft copy format for International conference Jan. 2025 organized by ISDA, Hyderabad	Provided during the ISDA, Hyderabad conference in softcopy format
Books published	Dr. Pankaj Kumar Ray , Dr. Saurav Gupta, Mr. Rakshesh S and Dr. R. Selvam (2024). PrecisionAgricultureAdvances , Published By: Golden Leaf Publishers, Lucknow, Uttar Pradesh, India.ISBN: 978-81-19906-34-5		
Book chapter published	Pankaj Kumar Ray and Pallavi Bharti (2024). Biofortified Vegetable Crops: Sustainable Way to AlleviateMalnutrition. AkiNik Publications, New Delhi, ISBN: 978-93-6135-853-1		
Popular articles published	Linseed a Super food	100	100
	Importance and use of Drumstick	100	100
	Coarse Grain: Importance and use of Finger millet	100	100
Success story published			
TOTAL			

C. Details of Extension Publications

Particulars	Details of publication (Title, authors name, organization)	No of copies published (if any)	No of copies distributed (if any)
Extension Bulletins published	Dhaan ke mukha kit prabandhan awam niyantran	2000	2000
	Murgi palan ke prakshetra upkaran w prabandhan	2000	2000
	Makka utpadan ka waigyanik prabandhan w rog upchar	2000	2000
	Murgipalan ka aahar prabandhan awam uchit waiwsaek mahattav	2000	2000
	Oyester mushroom ki kethi	2000	2000
	Madua ki waigyanik	2000	2000

	kheti		
	Bakariyon ke prasutijan rog evam upchaar	2000	2000
	Murgion ke pramukh rog evam uska pashuchikitshiye upchaar	2000	2000
Agro-advisory bulletins			
Extension folders/leaflet/pamphlets	Prakritik Kheti	2000	2000
Technical reports	Annual Report, Extension Council Report, Seed Council Report, CRA Report, NICRA Report, SCSP Report, CFLD report, Natural Farming Report, SAC report,	18	-
News letter			
Electronic Publication (CD/DVD etc)			
TOTAL			

D. Details of HRD programmes undergone by KVK personnel

Sl. No.	Name of KVK personnel	designation	Name of course/training program attended	Date	Duration	Organizer/Venue
1.	Er. V.K. Pandey	SMS (Agrill. Engg.)	Solar power operated irrigation system	10-12 Sept. 2024	03	BISA Jabalpur
2.	Dr. S. Paswan	SMS (Home Sc.)	Empowering communities through Millet processing	25-27 June 2024	03	NIT Raurkela
3.	Dr. S. Paswan	SMS (Home Sc.)	Millets: the sustainable super food for our healthy life	07-08 June 2024	02	Online (Plant genomics and plant Science)

E. Awards/Recognition

Institutional Award received by KVK

Sl. No.	Name of KVK	Name of the Award	Value (In Amount/kind)	Achievement	Conferring Authority

Award received by KVK Scientists

Sl.	Name of KVK personnel	Name of the Award	Value (In Amount/kind)	Achievement	Conferring Authority
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	Dr. Pankaj Kumar Ray	Farm Innovation Project Award			ICAR-ATARI, Zone-IV, Patna, Bihar
	Dr. Pankaj Kumar Ray	Innovative Work on Khus Production and Value Chain Development			ICAR-ATARI, Zone-IV, Patna, Bihar

Award received by Farmers

Sl.	Name of KVK	Name of the Farmer	Name of the Award	Address	Contact No.	Value (In Amount/ kind)	Achievement	Conferring Authority
1	Saharsa	Hazara Khatun	Progressive Farmers Award	Bareta, Bangaon	9507260059	-	Backyard Poultry	BAU, Sabour, Bhagalpur

3.7. TECHNOLOGY DEVELOPMENT

A. Give details of Innovative Methodology/Process/Product or Innovative Technology developed by KVK

Sl. No.	Name/ Title of the technology	Brief details of the Innovative Technology	Impact of the technology	Status of commercialization /Patent
1.	Conservation tillage practices for achieving high water use efficiency on paddy-wheat-green gram cropping system in koshi region	One of the most critical inputs for agriculture, “water”, naturally available on the globe, seems to be conserved and to be utilized economically. Field water use efficiency is important for planners as well as for farmers as it helps in managing water resources more efficiently. It is the ratio of crop yield to the quantity of water use in the field. Keeping in view of economic utilization of water, a study was made with the objective: To assess the effect of conservation tillage practices on water use	The observation table depicts that there was an increase in water use efficiency of 0.0603 kg/m ³ (29.84 per cent) in case of paddy, 0.074 kg/m ³ (26.34 per cent) in case of wheat and 0.251 kg/m ³ (103.03 per cent) in case of green gram cultivation in comparison to conventional tillage practices. As far as the whole cropping system is concerned, a WUE of 0.3062 m ³ /ha was found in conservation tillage practices against that of 0.2306 m ³ /ha in conventional practices i.e an increase of 32.78 per cent.	Under observation

		efficiency on paddy-wheat-green gram cropping system		
--	--	--	--	--

B. Give details of Organic farming practiced/Indigenous Technology/ITK practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

Sl. No.	Enterprise	Brief details of the ITK Practiced	Purpose/Impact of ITK	Impact of the technology
1	Maize	Spray of cow dung solution on plant	Control of Insect & Pest	Control of Insect & Pest
2	Potato	Field smoking	Prevention of LBD in potato	Prevention of LBD in potato
3	Lentil	Use of oriender seed mixed with lentil for sowing	Control of Pod borer	Control of Pod borer
4	Fishery	Dipping cut of banana log in fish pound	Improve aeration	Improve aeration

Give details of by the farmer (if Any)

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)

C. Indicate the Specific Training Need Analysis Tools/Methodology followed by KVKs

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed
1	PRA. Survey using (Questionnaires & Schedule) Meeting-Discussion. Observation (Participant & Non Participant observation) Diagnostic visit	RAWE/DFI/Village adaptation/
2	Transect walk/Problem cause diagram	RAWE/DFI/Village adoption

4. IMPACT

A. Impact of KVK activities/large-scale adoption of technology

Name of specific area	Brief details of the area	No. of farmers benefitted	Horizontal spread (in area/no.)	% Adoption	Impact of the technology in subjective terms	Impact of the technology in objective terms	Change in income (Rs.)	
							Before (Rs./Unit)	After (Rs./Unit)
Bee Keeping	Bee Keeping	120	168 (no.)	28			0	3000/Box
Makhana Procuction	Makhana Procuction though HYV Sabour Makhana 1	127	260 ha.	28			40000/ha.	73000/ ha.

Application of Zero Tillage	Application of Zero Tillage Technology in wheat crops	698	450 ha	54			19673/ha.	24797/ha.
Yield enhancement through SRI	Yield enhancement through SRI technique in Rice cultivation	912	120	32			29360/ha.	40636/ha.
Establishment of high density orchard	Establishment of high density orchard	386	80	24			208000/ha.	520000/ha.
Productivity enhancement through introduction of new varieties in vegetables	Productivity enhancement through introduction of new varieties in vegetables	576	123	69			296000/ha.	425000/ha.
Application of green manuring	Application of green manuring for soil health and fertility management	878	246	73			22315/ha.	26410/ha.

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants

B. Details of entrepreneurship/startup developed by KVK

Name of the entrepreneur/ Name of the enterprise/firm	Md. Shakeel Ahmad/ Bee Keeping
Registered address of the entrepreneur/firm	Village: Sitanabad, Block-Kahra Saharsa-852201 Contact No.: 6202957670
Year of establishment	2019
Type of Enterprise	Honey Producer & Processor
Registration details	
No of members associated	16
Technical components of the enterprise (with commodity)	Honey, Royal Jelly, wax
Annual Income/revenue of the enterprise	Rs. 870000
Role of KVK/Technology backstopping (quantitative data support)	Technical advice, Capacity Building Programme (02),
Period/Timeline of the entrepreneurship development	03 Years (2019-2022)
Economic and Social status of entrepreneur before and after the enterprise	Before starting the practices of bee keeping Md Shakeel Ahmad was an unemployed person searching some jobs for his livelihood. He started bee keeping with 10 boxes in 2016 and at present he is working with 500 boxes at various location in Koshi region with an annual income of 05 lakhs with supply of 150 qt. of honey and 15 qt. of wax.
Present working condition of enterprise in	At present 500 boxes have been kept under supervision

terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	of Md. Shakeel Ahmad by providing employment facility to 35 people. In the main season (November to March) 6 honey extractor machines holding 10 combs at a time have been utilized by his team of workers to collect honey, thus having annually income of nearly thirty five lakh from nearly 150 quintal of honey and 15 quintal of wax. Not only honey and wax but a little amount of royal jelly has been collected by his team through the practice of bee keeping.
Major achievements	Capital Gain of @ 12 % annual
Major constrains	Lack of proper marketing chain in koshi region and shifting of boxes during Summer and Monsoon Season.
Images/Imp Documents	

C. Success stories/Case studies, if any

1. Personal information

1.	Name of the farmer/ entrepreneur: Mr. Shaket Ranjan
2.	Date of Birth: 03/01/1996
3.	Education: Bachelor in Computer Sc.
4.	Farming Experience/ Experience in enterprise: 06
5.	Cell no./ e-mail: 8295095278
6.	Full address: Village- Mahwa, P.O- Bangaon, Block -Kahra, Dist: Saharsa
7.	Professional membership (Farmer club/SHG/ATMA/etc.): Mithilayam FPO, Bangaon , Saharsa
8.	Major achievement of the farmers: Backyard Poultry as a complementary source of income
9.	Awards received: Progressive Farmers Award 2023 (KVK, Saharsa)

2. Professional Information

1.	Title of the success story/case study : Adaptation of Backyard Poultry as complementary source of Income in flood affected area of Koshi Region
2.	Situation analysis/Problem statement (What prompted this initiative? What was the problem that needed to be addressed?): Mr. Saket Ranjan, was searching his livelihood security along with his family members and was realized the potential of job in Agriculture. But the challenges of occurrence of flood in Koshi region was the main hinderance to opt farming for his livelihood, as he is a native from Kahara block of Saharsa district of Bihar. The work forces involved in farm works were mostly uneducated and only have traditional knowledge of farming in paddy-wheat cropping system-this is the second challenge for Mr. Saket. After completion of his degree programme, he has informed from somewhere that KVK in each district is responsible for transfer of technology in agriculture sector. He has seven-acre ancestral land where farming of paddy-wheat was the major practice. In summer some area of the land was practiced for green gram

	cultivation. He has also a mango orchard in an area of 2 acre covered with nearly 40-year-old mango plants having very less yield nearly 10-12 quintal per plant.																																		
3.	Plan, Implement and Support/KVK Intervention(s): (Describe what systems of extension have done to address the challenge. What technology/ technical knowledge being used? How were different agencies engaged in or consulted in the extension process? - Who, What, How) Mr. Saket Ranjan moved to KVK, Saharsa in 2019 for updated technology suitable in paddy-wheat cropping system. He was suggested for mixed farming with introduction of Poultry as a source of complementary income. He was also suggested to form a group of farmers for participating in various training programmes of KVK, Saharsa. Initially, Mr. Saket was supported with 750 poultry birds (breed Banraja) for managing in form of back yard poultry with his 20 group members from NICRA Project. His group members were equipped with knowledge and skill in poultry production techniques such as feed management, weighing and cleaning																																		
4.	Details of Practices followed by the farmer: In general practices of Paddy-Wheat farming system in flood affected area of Koshi region, a 29 years old graduate in computer science observed an option to adopt backyard poultry as a complementary source of income in mixed farming pattern and the benefit cost ratio for rearing of BYP unit according to him as mention below: <table border="1"> <thead> <tr> <th>S.N</th><th>Particular</th><th>Rate</th><th>Amount</th></tr> </thead> <tbody> <tr> <td>A</td><td colspan="3">Expenditure on rearing 10 birds in BYP system</td></tr> <tr> <td>1</td><td>Cost of poultry shed construction</td><td>Rate as per locality</td><td>2000</td></tr> <tr> <td>2</td><td>Cost of feeder and drinker</td><td>-do-</td><td>600</td></tr> <tr> <td>3</td><td>Cost of 10 chicks</td><td>Rs. 35/chicks</td><td>350</td></tr> <tr> <td>4</td><td>Cost of feed up to 4 weeks @2kg./bird</td><td>Rs. 35/kg</td><td>1400</td></tr> <tr> <td>5</td><td>Cost of medicine</td><td>Rs. 20/bird</td><td>200</td></tr> <tr> <td></td><td></td><td>Total</td><td>4550</td></tr> </tbody> </table>			S.N	Particular	Rate	Amount	A	Expenditure on rearing 10 birds in BYP system			1	Cost of poultry shed construction	Rate as per locality	2000	2	Cost of feeder and drinker	-do-	600	3	Cost of 10 chicks	Rs. 35/chicks	350	4	Cost of feed up to 4 weeks @2kg./bird	Rs. 35/kg	1400	5	Cost of medicine	Rs. 20/bird	200			Total	4550
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5.	Results/ Output (economical/ social/ etc.) (Key results/ Insight/ Interesting fact- initial, intermediate, or long-term outcome) <table border="1"> <thead> <tr> <th>S.N</th><th>Particular</th><th>Rate</th><th>Amount</th></tr> </thead> <tbody> <tr> <td>B</td><td colspan="3">Income</td></tr> <tr> <td></td><td>Sale of male birds (4 male birds at 24 weeks)</td><td>Rs. 300/kg</td><td>3000</td></tr> <tr> <td></td><td>Sale of Eggs from 5 hen (6X14X5=420 eggs)</td><td>Rs. 15/egg</td><td>6300</td></tr> <tr> <td></td><td>Sale of 5 culled female birds + 1 male bird 48 week</td><td>Rs. 240/kg</td><td>3600</td></tr> <tr> <td></td><td></td><td>Total</td><td>12900</td></tr> <tr> <td></td><td colspan="2">Net Income after 48 weeks</td><td>8350</td></tr> </tbody> </table>			S.N	Particular	Rate	Amount	B	Income				Sale of male birds (4 male birds at 24 weeks)	Rs. 300/kg	3000		Sale of Eggs from 5 hen (6X14X5=420 eggs)	Rs. 15/egg	6300		Sale of 5 culled female birds + 1 male bird 48 week	Rs. 240/kg	3600			Total	12900		Net Income after 48 weeks		8350				
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6.	Impact/ Outcome: (Determine the HIGHEST level of impact the program had on individuals, families, groups and/ or society -Provide a short summary of the actual																																		

	change (on knowledge, attitude, skills, practice, or policy) that took place. Provide quantitative measures, where possible and use simple graphs or tables to illustrate a point.)(50–100words): <i>After visualizing the benefit of backyard poultry as a complementary source of income in farming sector, 22 farm women are practicing the backyard poultry in the surrounding area.</i>		
7.	Future plans: Now Mr. Saket Ranjan is planning for establishment of mini incubation machine for hatching poultry eggs		
8.	Supporting Images:		

3. Economic Information

Enterprise	Gross Income (annual) (100 birds)	Net income	Cost-Benefit ratio
Backyard Poultry	1,29,000	83,500	2.84

5. LINKAGES

5.1. Functional linkage with different organizations

S.NO	Name of organization	Nature of linkage
1	ATMA, Saharsa	Technical advisory and participation at various training programme
2	DAO, Saharsa	Technical advisory and participation at various training programme
3	Assistant Director, Plant Protection, Saharsa	Joint campaign, field visit
4	World Vision, ADP, Saharsa	Participation in training/ community development programme
5	Divya Jyoti Sansthan, Saharsa	Participation in training/ community development programme
6	MBAC, Saharsa	Technological support
7	KVKs of BAU & RAU	Technological support
8	ICAR RCER Patna	Technological support
9	ATARI Patna	Technological support
10	Nehru Yuva Kendra, Saharsa	Participation in training programme
11	NABARD, Saharsa	Mushroom Spawn Production, Formation of Kisan Clubs and Makhana farmers producers Organisation
12	IFFCO	Participation in training/ community development programme

13	MBAC, Saharsa	Technological support
14	KVKs' of BAU & RAU	Technological support
15	ICAR RCER Patna	Technological support
16	ATARI Patna	Technological support
17	Kisan Club	Participation in training/ community development programme
18	JEEVIKA	Participation in training/ community development programme

5.2. Details of Externally funded project & Programmes during 2024 (Eg. ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies) (information of previous years should not be provided)

a) Programmes for infrastructure development

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)

(b) Programme for other activities (training, FLD, OFT, Mela, Exhibition etc.)

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
CRAP	Demonstration on Climate Resilience Agriculture and Capacity Building	Oct. 2020	Govt. of Bihar	8491750
RPL	Skill Development	April 2024	BAMETI, Patna	560286

6. PERFORMANCE INDICATORS

6.1. Performance of demonstration units (other than instructional farm)

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq. mt)	Details of production			Amount (Rs.)		Remarks
				Variety/bre ed	Produce	Qty.	Cost of inputs	Gross income	
1.									
2.									
3.									
	Total								

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty. (q)	Cost of inputs	Gross income	
Lentil	17.11.23	5.4.2024	2	IPL 316	C/S	17.1	60326	229500	
Pea	27.11.23	28.03.2024	2	IPFD 1012, IPFD 1603	F/S	18.45	78200	202950	

Linseed	11.12.23	12.04.2024	2	S. Tisi 1	F/S	4.0	18180	44000	
Wheat	12.12.23	11.04.2024	2	DBW 187	F/S	46.0	90680	257600	
	22.12.23	12.04.2024	1	HI 1563	F/S	11.8	45334	66080	
Mustard	20.12.23	8.4.2024	2	RH725	T/L	3.4	25230	43180	
Potato	17.11.23	5.3.2024	0.12	Yusi map Badi aalo	T/L	25.0	33226	750000	
Finger Millet	03.05.24	17.05.24	0.4	VLM 376	T/L	1.0	3440	7500	
Paddy	06.06.24	19.12.24	4	R. Mahsoori 1	C/S	176	160000		Store in godown
	15.06.24	5.12.24	8	R. Sweta	C/S	334	308400		Store in godown
	22.06.24	11.12.24	1	S. Hira	F/S	36	38220		Store in godown

6.3. Performance of Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Vermicompost	12500	25000	125000	Used in CRA programme

6.4. Performance of Instructional Farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.							

6.5. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning

6.6. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
May 2024	25	03 days	ASCI Garden Keeper
June 2024	25	27 days	ASCI Garden Keeper
Total:			

(For whole of the year)

6.7 Utilization of staff quarters

- Whether staff quarters have been completed:
- No. of staff quarters:
- Date of completion:
- Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
KRISHI VIGYAN KENDRA	SBI	AGWANPUR	11859353107
KVK REV. FUND	SBI	AGWANPUR	11859356562
SENIOR SCIENTIST & HEAD KVK SAHARSA	SBI	AGWANPUR	42057936291
CFLD OILSEEDS KVK SAHARSA	SBI	AGWANPUR	42403652775
GIA SALARY ACCOUNT	SBI	AGWANPUR	42921193049
SKILL DEVELOPMENT KVK SAHARSA	SBI	AGWANPUR	42403629406

7.2. Utilization of funds under CFLD on Oilseed (Rs. In Lakhs)

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	
Rape seed		696875		514657	73918
Linseed				108300	

7.3. Utilization of funds under CFLD on Pulses (Rs. In Lakhs)

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st April 205
	Kharif	Rabi	Kharif	Rabi	
NA					

7.4. Utilization of KVK funds during the year 2025 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	17552376	14424800	12859781
2	Traveling allowances	100000	100000	99469
3	Contingencies			
A	HRD	25000	846350	16000
B	Office Exp.	434000		365088
C	Training	271000		190016
D	OFT	65000		40411
E	FLD	120000		98408
F	MOB	30000		29442
G	Kisan Mela	40000		
H	SCSP	500000	400000	325952

<i>I</i>				
<i>J</i>	Swachhta Expenditure			
TOTAL (A)				
B. Non-Recurring Contingencies				
1	SCSP (NR)	120000	96000	88425
2				
3				
4				
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

7.5. Status of Revolving fund (Rs. in lakh) for last three years

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year (Kind + cash)
2021-22	1370739.72	1823849	1168373	2026215.72
2022-23	2026215.72	1249923	1543724	1732414.72
2023-24	1732414.72	2127865	1535078	2325201.72

7.6. (i) Number of SHGs formed by KVKs

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities

(iii) Details of marketing channels created for the SHGs

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activities	Season	With line department	With ATMA	With both
NA					

7.8 Revenue generation

Sl. No.	Name of Head	Income (Rs.)	Sponsoring agency
1.	Seed Sale	1239372	Revolving
2.	Non Seed Sale	807705	Revolving
3.			

7.9 Resource Generation

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1	RAWE	RAWE Programme	RAWE Students	738400	
2	RPL	RPL Training (Hostel charge)	BAMETI	52720	
3	Training Hall charge	Training	S Biotech (NGO)	2000	
4					

8. MISCELLANEOUS INFORMATION

8.1. Prevalent diseases in Crops

Name of the disease	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)

8.2. Prevalent diseases in Livestock/Fishery

Name of the disease	Species affected	Date of outbreak	Number of death/ Morbidity rate (%)	Number of animals vaccinated	Preventive measures taken in pond (in ha)

8.3. Nehru Yuva Kendra (NYK) Training

Title of the training programme	Period		No. of the participant		Amount of Fund Received (Rs)
	From	To	Male	Female	

8.6 Details of 'Pre-Rabi Campaign' Programme

Date of programme	No. of Union Ministers attended the programme	No. of Hon'ble MPs (Loksabha/Rajyasabha) participated	No. of State Govt. Ministers	Participants (No.)							Coverage by Door Darshan	Coverage by other channels
				Attended the programme	Chairman ZilaPanchayat	Distt. Collector/DM	Bank Officials	Farmers	Officials, PRI members	Total		

8.7. Viksit Viksit Bharat Sanklap Yatra

Sl.	No of events attended	No. of Gram Panchayat covered	Total no of farmer participated	No of Lecture Delivered on Soil Health/ Natural Farming
1.	141	141	21059	141

8.8. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Bihar	Saharsa	ICM	01	120	-

8.9 Information on Visit of VIP/Ministers/ MP/MLA/DM/VC/Zila Parishad/Other Head of Organization/Foreigners/other Dignitaries to KVKs, if any

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)

8.10 Details of Scientific Advisory Committee (SAC) Meetings

Date	No of participants	Total statutory members present (state line department)	Salient recommendations	Action Taken	If not, State reason
16.03.2024	40	10	Modification of Training hall	New Projector with wall mounted screen with an electronic podium have been installed in the training hall	
			The Demonstration unit of Nutritional Garden must be protected with fencing	Fencing of Nutri. Garden has been completed	
			Vermi-compost unit should be established	The center has established a vermi-compost production unit with 4 vermi beds	
			Paddy variety Sabour Heera may be demonstrated in NICRA village	Demonstration of Paddy variety Sabour Heera has been conducted in NICRA village (Bareta) and with average productivity of 46.32 q/ha has been reported with B:C ratio 2.42	
			Demonstration on Green Gram (MM472) may be conducted if availability of seed is possible	There is no availability of green gram seed Var. MM472 at NSC Purnea and at BAU Sabour	
			A skill development training on Garden Keeper may be conducted	A skill development training has been conducted on garden keeper with 25 participants	
			Demonstration on finger millet must be conducted on CRAP adopted villages	Demonstration of finger millet in 20ha area has been conducted on 89 farmers fields under CRAP adopted villages	
			Awareness programme of one week must be conducted on control of YVM in Green gram	Awareness programme has been conducted in the 1st week of April 2024 on control of YVM in summer pulses and vegetables	
			OFT on noodles of finger millet must be conducted	OFT on value addition of finger millet with noodles and vermicelli has been conducted with involvement of 10 women farmers	

**Salient recommendations of SAC in bullet points*

Details of other meeting related to ATARI

Date	Type of Meeting	Agenda	Representative from ATARI
16.03.2024	SAC Meeting	SAC Meeting	Director, ATARI Patna
03.06.2024	NICRA review Meeting	NICRA review Meeting	Director, ATARI Patna
08.09.2024	SCSP Progress review	SCSP Progress review	Director, ATARI Patna

9. Details of attachment training (RAWE/ FET for ARS/Others) through KVK

Type of attachment	No of student trained	No of days stayed
RAWE	45	90

10. Any other programme organized by KVK, not covered above

11 PROJECT-WISE REPORTING (Applicable for KVKs identified under the given project)

11.1. Details of Cereal Systems Initiative for South Asia (CSISA)

Season	Village Covered (no.)	Block Covered (no.)	District Covered (No.)	Respondent (no.)	Trial Name	Area covered (ha)	Name of Crop	Technology Options	Variety name	Duration (Days)	Soiling date	Harvesting date	Days of Maturity	Grain Yield (q/ha)	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B C R

11.2 Details of Tribal Sub Plan (TSP)

a. Achievements of physical output under TSP

Sl.	Activities	Physical Achievement	
		No. of Trainings/Demos	No. of beneficiaries
1)	Trainings		
a.	Farmer		
b.	Women		
c.	Rural Youths		
d.	Extension Personnel		

2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
5)	Other activities		
a.	Participants in extension activities (No.)		
b.	Production of seed (q)		
c.	Production of Planting material (No. in lakh)		
d.	Production of Livestock strains (No. in lakh)		
e.	Production of fingerlings (No. in lakh)		
f.	Testing of Soil, water, plant, manures samples (Nos.)		
g.	Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)		
h.	No. of other programmes or aginsed (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)		

b. Fund received under TSP in 2024-25 (Rs. In lakh):

c. Achievements of physical outcome under TSP during 2024

Sl. No.	Description	Unit	Achievements
1	Change in family income	%	
2	Change in family consumption level	%	
3	Change in availability of agricultural implements/ tools etc.	No. per household	

d. Location and Beneficiary Details during 2024

District	Sub-district	No. of Village covered	Name of village(s) covered	ST population benefitted (No.)		
				M	F	T

11.3. Details of Scheduled Caste Sub Plan (SCSP)

Sl.	Activities	Physical Achievement	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	02	54
b.	Women	10	312
c.	Rural Youths	01	10
d.	Extension Personnel	0	0
2)	OFT	No. of OFTs	No. of beneficiaries
		0	0
3)	FLD	No. of FLDs	No. of beneficiaries
	Chicks (Vanraja)	50	50

	Paddy (S. Sampann)	105	105
	Mushroom (Oyster)	76	76
	Wheat (HD2967) (12.5 ha.)	32	32
	Lentil (IPL 220 TL and IPL 316 CS) 6.0 ha	35	35
	Nutri Garden (Veg. Kits)	50	50
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		124	124
5)	Other activities		
a.	Participants in extension activities (No.)	02	
b.	Production of seed (q)	0	
c.	Production of Planting material (No. in lakh)	0	
d.	Production of Livestock strains (No. in lakh) <i>Eggs</i>	1.2	
e.	Production of fingerlings (No. in lakh)	0	
FTSP	Testing of Soil, water, plant, manures samples (Nos.)	0	

11.4. NICRA (Technology Demonstration component)

Overall achievements

Basic Information

KVKs Name	Districts data				NICRA Adopted village					
	RF (mm) district		Temperature °C		Dry spell/ drought			Intensive rain >60 mm	Flood	
	Normal	Received	Max.	Min.	> 10 days	> 15 days	> 20 days		Water depth (cm)	Duration (days)
Saharsa	1305	851	40.5	07.1	0	1	0	1	55	07

Name of KVK	NRM		Crop production		Livestock & Fisheries			Capacity Building		Extension Activities	
	Demonstrations	Area (ha)	Demonstrations	Area (ha)	Demonstrations	Area (ha)	No. of animals	No of Courses	Farmers	No. of programmes	Farmers
Zone IV											
Saharsa	Mulching in Vegetable	4	ZT in Wheat	5	Feed management for cattle by application of ASMM		80	09	277	07	223
	Green Manuring in Paddy	20	Application of KNO ₃ in Wheat	20	Backyard Poultry		5700 poultry bards				
			DSR in paddy	16							
			Varietal Demonstration in Green gram	20							

Performances of demonstration of in-situ moisture conservation technologies

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR
FST 3	Green Vegetables/ Rabi 2024-25	Application of straw mulching for moisture conservation	25	4				Crop standing

Performances of water harvesting and recycling for supplemental irrigation

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of ZTD in various crops

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)	Yield (q/ha)	Economics of demonstration (Rs./ha)		
						Gross Cost	Net Return	BCR
FST 4	Wheat/ Rabi (2024-25)	Sowing by Zero Till drill	25	10				Crop Standing
FST 3	Green Gram/ Summer 2024	Sowing by Zero Till drill	26	10	8.24	32210	39330	2.22
FST 4	Green Gram/ Summer 2024	Sowing by Zero Till drill	26	10	8.61	32210	42542	2.32

Performance of artificial groundwater recharge technologies demonstrated

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of different water saving irrigation methods

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR
FST 3	Paddy/ Kharif 2024	Alternate wetting and drying	30	12	41.9	38900	51495	2.32
FST 4	Paddy/ Kharif 2024	Alternate wetting and drying	30	12	42.9	38900	51986	2.34
FST 3	Paddy/ Kharif 2024	DSR in wet field condition	10	4	39.3	35650	48300	2.35
FST 4	Paddy/ Kharif 2024	DSR in wet field condition	10	4	38.8	35650	47685	2.34

Rain water harvesting structures developed

New(Nos.)	Renovated(Nos.)	Total	Storagecapacity (cu m)	Protectiveirrigationpotential(ha)	Cropping Intensity (%) increase

Performance of different drought tolerant varieties

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performance of different short duration rice varieties

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performance of different flood tolerant varieties

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area(ha)/Unit	Yield (q/ha)	Economics of demonstration(Rs/ha)		
						Gross Cost	Net Return	BCR
Irrigated land without animal	Paddy/ Kharif 2024	Sabour Sampann	36	14.4/ 36	43.66	100418	58298	2.38
Irrigated land with animal	Paddy/ Kharif 2024	Sabour Sampann	36	14.4/36	44.12	101476	58416	2.36

Performance of advancement of planting dates in different crops

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performances of water saving technologies for rice cultivation

FST type	Crop / season (name)	Technology demonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha))	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Integration of cropping system with other farming

FST type	Crop / season (name)	Fodder quantity (dry/green) utilized for livestock	No. of farmers	Area(ha)/Unit	Yield (q/ha)	% of reduced fodder purchase from outside

Performance of Community nurseries

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area(ha)	Coverage area (ha)	Economics of demonstration (Rs/ha)		
						CoC of nursery	NR from nursery	BCR
	Ragi							
	Paddy							
	Vegetable (name)							
	Other							

CoC: Cost of cultivation (Rs.); NR: Net return (Rs.); BCR: Benefit cost ratio

Performance of different location specific intercropping systems

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area(ha)/Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of different crop diversification in NICRA villages

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area(ha)	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of other demonstration

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area(ha)/Unit	Yield (q/ha)	Economics of demonstration(Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of different fodder demonstration in community lands

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area(ha)/Unit	Yield (q/ha)	Economics of demonstration(Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of improved fodder

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area(ha)/Unit	Yield (q/ha)	Economics of demonstration(Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of various vaccination camps organized

FST	Type of animal and Month	Technology demonstrated	No. of farmers covered	No. of animal covered			
					Less 1 yr calf	Heifer	Adult
		FMD					
		HS					
		BQ					

For Goat/ sheep/ pig

FST	Type of animal and Month	Technology demonstrated	No. of farmers covered	No. of animal covered			
					Kid	Buck	Doe
		PPR					
		Swine flue					
		FMD					

For poultry

FST	Type of animal and Month	Technology demonstrated	No. of farmers covered	No. of animal covered			
					Chick (<9 weeks)	Growin g chickens (9-20 week)	> 20 weeks
		Ranikhet disease					
		Bird flu					

[illegible]

FST type	Animal / season (name)	Technology demonstrated	No. of farmers	No. of animals/ unit	Milk yield (liters/ lactation)	Economics of demonstration(Rs/ha)		
						Gross Cost	Net Return	BCR
FST 4	Cow/ Kharif 2024	Feed Management by AAMM	40	80	1378 liters/lactation period	20510	34610	2.69

[illegible][illegible][illegible]

INSTITUTIONAL INTERVENTION

Name Of KVK	Seed bank		Fodder bank	
	Crop with variety	Quantity in (q)	Fodder crop with variety	Quantity in (q)
Saharsa	Paddy (S. Sampann)	82.4		

Revenue generated through Custom Hiring Centres and VCRMC in KVKs

Name of KVK	Revenue Generated(Rs.)	
	From Custom Hiring Centres (2023-24)	Total under VCRMC
Saharsa	43700	43700

Extension Activities

Name of the activity	Number of Programmes	No. of beneficiaries		
		Male	Female	Total
Awareness Programme	07	92	131	223
Field Day	03	59	89	148

Soil Health Card prepared and distributed

KVK	No. of soil samples collected	No. of samples analysed	SHC issued	No. of farmers benefitted

Convergence Programme

KVK	Development Scheme /Programme	Nature of work	Amount(Rs.)
Saharsa	Farmers Day	Group Discussion, Farmers Scientist Exhibition	35517

Dignitaries visited NICRA Villages

Name of KVK	Name of VIPs/ Experts	Date of visit
Saharsa	Director, ATARI Patna	03.06.2024

Newspaper Coverage: 08

Publication (Research Paper, Book, Technical bulletins Paper presented in national/international seminars etc.)

Success Stories :

Poultry Farming for Income Generation among Farming Community in Koshi Region (KVK, Saharsa)

A 23-year graduate in Computer Science from the Kurukshetra University, District Panchkula in 2016, Mr. Prasenjeet Kumar, was searching his livelihood security along with his family members and was realized the potential of job in Agriculture. But the challenges of occurrence of flood in Koshi region was the main hindrance to opt farming for his livelihood, as he is a native from Kahara block of Saharsa district of Bihar. The work forces involved in farm works were mostly uneducated and only have traditional knowledge of farming in paddy-wheat cropping system-this is the second challenge for Mr. Prasenjeet. After completion of his degree programme, he has informed from somewhere that KVK in each district is responsible for transfer of technology in agriculture sector. He has twelve-acre ancestral land where farming of paddy-wheat was the major practice. In summer some area of the land was practiced for green gram cultivation. He has also a mango orchard in an area of 4 acre covered with nearly 50-year-old mango plants having very less yield nearly 10-12 quintal per plant.

Mr. Prasenjeet moved to KVK, Saharsa in 2017 for updated technology suitable in paddy-wheat cropping system. He was suggested for mixed farming with introduction of Poultry as a source of complementary income. He was also suggested to form a group of farmers for participating in various training programmes of KVK, Saharsa. Initially, Mr. Prasenjeet was supported with 750 poultry birds (breed Sonali) for managing in form of back yard poultry with his 15 group members from NICRA Project. His group members were equipped with knowledge and skill in poultry production techniques such as feed management, weighing and cleaning.

The progress of this group was regularly monitored by KVK team members. Mr. Prasenjeet made some personal effort and now manage nearly 1500 birds and is achieving a net profit of Rs. 3,15,600 annually from meat and eggs. Now his remarkable success in field of poultry is a source of inspiration for near by youths of the locality. He has formed a farmers producer organization named “Mithilayam”, and helping the farming communities of the locality.



Name of PI & Co-PI List

Name of KVK	Name of PI	Name Of Co PI
Saharsa	Dr. Arbind Kr. Sinha	Er. V.K. Pandey Dr. P. K. Ray

Table: Capacity development (Training On-campus) organized under TDC-NICRA

S. No.	Title of the training course	Period of Training program	Duration	Participant No.		Category			
				Male	Female	General	OBC	ST	SC
1	Backyard Poultry	31.05.2024	01	07	15	02	07	0	13
2	Application care & Maintenance of farm machine	16 to 20 Sep. 2024	05	14	26	05	07	0	28

Table: Capacity development (Training Off-campus) organized under TDC-NICRA

S. No.	Title of the training course	Period of Training program	Duration	Participant No.		Category			
				Male	Female	General	OBC	ST	SC
1	Application of DSR in Paddy cultivation	22.05.2024	01	05	25	03	16		11
2	Weed Management in Paddy cultivation	05.07.2024	01	12	18	07	14		09
3	IPM & IDM in Paddy	26.07.2024	01	11	19	06	17		07
4	IPM & IDM in Paddy	30-31.08.2024	02	12	36	14	18		16
5	Application of ZT method in sowing of wheat	18.12.2024	01	08	17	6	13	0	6
6	Irrigation Scheduling water management in wheat crop	31.12.2024	01	14	12	4	8	0	14
7	Application of straw mulching in cultivation of green mulching	31.12.2024	01	14	12	4	8	0	14

Table: Custom Hiring of Farm-Implement

Name of farm implement/equipment	No. of farmers used Implement	Area covered by Farm Implement	Farm Implement used (In Hours)	Revenue generated by Farm Implement (Rs.)	Expenditure incurred on repairing (Rs.)
Rotavator	62	24 ha	64	15000	4000
ZT drill	50	20 ha	80	10000	2000
Knapsack sprayer	112	44.8 ha.	358.4	11200	1200
Paddy thresher	15	5.2 ha. (Harvested crop)	82	7500	2000

Table: Village wise VCRMC

Village name	VCRMC Constitution date	VCRMC members (no.)		Meetings organized by VCRMC (no.)	Date of VCRMC meeting	Name of Secretary	Name of President	Major decision taken
		M	F					
Bareta	29.09.2023	12	15	01	03.06.2024	Mr. Ashok Paswan	Mr. Presenjeet Kumar	Egg incubator may be purchased for hatching of poultry eggs
Bareta	29.09.2023	12	15	01	30.08.2024	Mr. Ashok Paswan	Mr. Presenjeet Kumar	Planning for Rabi crop dempnstration
Mahwa	31.08.2024	10	15	01	16.11.2024	Mrs. Sajan Devi	Mr. Subham Ranjan	Demonstration based on Backyard poultry and cultivation of wheat

Attachments: Good quality Photograph

11.5. Formation and Promotion of FPOs as Cluster Based Business Organization (CBBOs)

Name of State	Name of district	No. of blocks allocated	No. of FPOs registered as CBBO	Average no of members per FPO	No. of FPO received Management cost	No. of FPO received Equity Grant	Tech. backstopping provided to no. of FPOs	No. of training programme organized for FPOs for Technology backstopping as CBBO	Training received by FPO members (Y/N) If yes then major area of training	Assistance to no. of FPOs in economic activities	Is Business plan prepared for FPOs as CBBOs	Is Business plan prepared for FPOs as without CBBOs	No. Of FPOs doing business
Bihar	Saharsa	02	02	500	02	02	02	06	Y Agri. allied service		Yes		02

Details of commodity-based organizations/ farmers' cooperative society/ FPO formed/ associated with KVK under NCDC funding

S.No	Name of the FPO	Address of FPO	Registration No and Date	Proposed Activity	Commodity Identified	Total No. of BOM Members	Total no of farmers attached	Financial position (Rupees in lakh)	Success indicator

11.6. Nutri-Sensitive Agricultural Resources and Innovation (NARI)

a. Overall achievement

No. of Nutri smart village developed	Total Area covered	Total No of OFT organized	Total No. of FLD organized	No. of training/capacity development programme	Total No. of farmers/ beneficiaries	No of Extension programmes	Total No. of farmers/ beneficiaries
05	7500 sqm	0	05	02	50	02	64

b. Details of OFT/FLD

OFT		
Nutritional Garden		
Bio-fortified Crops		
Value addition (in no. of Unit or no. of Enterprise)		
Other Enterprises (in no. of Unit or no. of Enterprise)		

	Area (ha/ no. of Unit/Enterprise)	No. of farmers/ beneficiaries
FLD		
Nutritional Garden	05	22
Bio-fortified Crops		
Value addition (in no. of Unit or no. of Enterprise)		
Other Enterprises (in no. of Unit or no. of Enterprise)		

c. Details of established Nutrition Garden in Nutri-Smart village

Sl.	Name of Nutri-Smart Village	Type of Nutrition Garden	Number	Area (sqm)	No. of beneficiaries
1.	Sisai	Backyard/Kitchen Garden	50	30000	50
2.		Community level	01	7500	22
3.		Terrace Garden			
4.		Vertical Garden			
TOTAL					

d. Details of Bio-fortified crops used in Nutri-Smart village

Name of Nutri-Smart Village	Season	Activity (OFT/FLD)	Category of crop (cereal/ pulses/oilseed/ fruits & veg./ others	Name of Crop	Variety	Area (ha)	No. of beneficiaries

e. Details of Value addition in Nutri-Smart village

Name of Nutri Smart Village	Name of Crop/ veg./ fruits/ other	Name of Value-added product	Activity (OFT/FLD)	No. of farmers/ beneficiaries

f. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries
Sisai	Importance of nutri garden	01	24
	Value addition of millets	01	26

g. Extension activities under NARI Project

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries
Sisai	Field visit	01	28
	Field Day cum awareness programme	01	36

11.7 Attracting and Retaining Youth in Agriculture (ARYA)

[illegible]

11.8 Out-scaling of Natural Farming Format

Geographical information

Name of State		Bihar	
Name of KVK		Saharsa	
Agro Climatic Zone of Village/KVK		II	
Farming Situation of the Selected Farmer/KVK		Latitude (N)	Longitude (E)
		25.926510	86.560250

Physical information

[illegible]

Training information

Tittle of Natural Farming training Programme	Date of Training	Venue of programme	Participants (Male)						Participants (Female)						GT	Remarks/ Observation/Feedback Recorded
			GE N	OB C	SC	S T	Oth ers	Total	GE N	OB C	S C	S T	Others	Total		
Natural Farming & Their Components	15.01.2024	KVK Campus	13	6	1	-	-	20	02	04	02	02	-	10	30	
Preparatio of Jivamrit&Ghanjiv amrit	11.03.2024	Sisai	-	09	04	-	-	13	04	19	04	-	-	27	40	
Natural Farming & Their Components	11.03.2024	Tulsiyahi	-	29	02	-	-	31	-	09	-	-	-	09	40	
Preparatio of Jivamrit&Ghanjiv amrit	17.03.2024	Gandoul	27	11	2	-	-	40	-	-	-	-	-	-	40	
Natural Farming & Their Components	17.03.2024	Kumharag hat	-	-	-	08	-	08	-	-	-	32	-	32	40	
Preparatio of Jivamrit&Ghanjiv amrit	19.03.2024	Bela	-	23	-	-	-	23	-	17	-	-	-	17	40	
Natural Farming & Their Components	19.03.2024	Barahsher	37	03	-	-	-	40	-	-	-	-	-	-	40	
Preparatio of Jivamrit&Ghanjiv amrit	21.03.2024	Purikh	13	11	-	-	-	24	02	13	01	-	-	16	40	
Natural Farming & Their Components	21.03.2024	Kumharag hat	-	19	15		-	34	-	02	04	-	-	06	40	

Awareness programme information

Tittle of Natural Farming Awareness programme	Date of Awareness programme	Venue of programme	Participants (Male)						Participants (Female)						GT	Remarks/ Observation/ Feedback Recorded
			GEN	OB C	S C	S T	Others	Total	G E N	O B C	S C	S T	Others	Total		
Natural Farming Concept and their importance	11.01.2024	Bela	23	57	17	03	-	100	-	-	-	-	-	-	100	
Different components of natural farming	12.01.2024	Laxminiya	03	49	08	-	-	60	-	34	06	-	-	40	100	
Preparation of Jivamrit&Ghanjivamrit	28.03.2024	Bela	07	76	12	-	-	95	-	49	06	-	-	55	150	
Natural Farming & Their Components	28.03.2024	Bangaon	13	17	5	3	-	38	17	33	51	11	-	112	150	

Any other Programme /Activity organized for Natural farming promotion

Name of the Innovative programme organized	Significance of innovative programme	Remarks/Observation/Feedback Recorded

Details of Beneficiaries under Demonsatration at Farmer's Fields

Name of KVK	No. of blocks covered	No. of village covered	Total no. of Trained/Pra cticing NF Farmer	No. of farmers influenced to adopt NF	No. of farmers with whom the NF farmer can engaged all season	No. of farmers with whom the NF farmer can engage in 1 season	Any Remarks (in <50 words)
KVK, Saharsa	02	03	12	03	03	-	

Demonstration Information

KVK/ Farmer wise information of demonstration conducted till date			
Name of State		Bihar	
Name of KVK/Farmer where demonstration conducted		Saharsa	
Address of Farmer with contact detail			
Agro Climatic Zone of KVK/Village of farmer		II	
Cropping patter of KVK plot/ Farmer plot		Paddy-Wheat-Green Gram	
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		25.926510	<u>86.560250</u>

Name of Activity	Crop	Variety	Season (Kharif /Rabi/ Summer)	Name of Natural Farming components/Technology demonstrated	Area (ha) in Natural farming practice	Detail of farmer practice	Observations Recorded		
							Name of parameter	Performance	
								Without NF practice	With NF practice
Demonstration	Paddy	Sabour Harshit	Kharif	Beejamrit, Jivamrit, Ghanjivamrit, Neemastra, Brahmastra	0.4	Beejamrit, Jivamrit, Ghanjivamrit, Neemastra, Brahmastra	Plant height (cm)	123	125
							Duration (Days)	127	130
							Yield (q/ha)	38.7	31.3
							Cost of	36500	29900

								cultivation (Rs/ha)		
								Gross Return (Rs/ha)	84480	68325
								Net Return (Rs/ha)	47980	38425
								B:C Ratio	2.31	2.28
								Soil PH	7.2	7.1
								Soil OC (%)	0.28	0.34
								Soil EC (dS/m)	0.32	0.43
								Available N (Kg/ha)	243.14	265.25
								Available P (Kg/ha)	14.21	17.7
								Available K (Kg/ha)	246.71	292.46
								Soil Microbes (cfu)		
								Any other, specify		
Feedback of farmer										

Information of Farmer Already Practicing Natural Farming

S. N o.	Name of District	Name of Farmer	Name of Village and address with contact No	No. of Indigen ous (Desi Cows)	Land Holding (ha)	Normal Crops Grown	No. of Years practi cing in Natur al Farmi ng	Area (ha) Covered under Natural Farming	Crop Grown under Natural Farming	Natural Farming Technology practicing/ adopted	Observations Recorded		
											Name of parameter	Performance	
												Witho ut NF practic e	With NF practi ce
											Plant height (cm)		
											Other relevant parameter		
											Yield (q/ha)		

											Cost of cultivation (Rs/ha)		
											Gross Return (Rs/ha)		
											Net Return (Rs/ha)		
											B:C Ratio		
											Soil PH		
											Soil OC (%)		
											Soil EC (dS/m)		
											Available N (Kg/ha)		
											Available P (Kg/ha)		
											Available K (Kg/ha)		
											Soil Microbes (cfu)		
											Any other, specify		

Feedback of farmer:

Soil Data information

Soil Parameter for Demo plot at KVK Farm

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)
Kharif	Paddy	6.9	0.37	0.29	237.33	13.56	248.53	-	7.1	0.43	0.34	265.25	17.7	292.46	-

Soil Parameter for Non-Demo plot at KVK Farm

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)
Kharif	Paddy	7.1	0.31	0.27	239.81	12.41	242.56	-	7.2	0.32	0.28	243.14	14.21	246.71	-

Soil Parameter for Demo plot at Farmers Field

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)
Kharif	Paddy	7.1	0.36	0.28	282.32	13.87	287.63	-	7.2	0.39	0.32	285.76	14.17	289.53	-

Soil Parameter for Non- Demo plot at Farmers Field

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)
Kharif	Paddy	7.1	0.31	0.27	239.81	12.41	242.56	-	7.2	0.32	0.28	243.14	14.21	246.71	-

Financial information

Budget Expenditure (Rs. in Rs) 2023-24				
Name of activity	Number of activities organized	Budget sanction (Rs)	Budget expenditure (Rs)	Total Budget Expenditure (Rs)
Training	10	40000	40000	40000
Awareness Programme	4	78500	78467	78467
Demonstration	13	43500	43345	43345
Miscellaneous	8	15693	15632	15632
Total	35	537693	537453	537453

Glimpses of various Activities (Good Quality Action Photographs)				
Name of activity	1	2	2	4
Training programmes				
Awareness programmes				
Demonstrations (KVK/Farmer filed)				
Any other activities				

11.7 CRA (Climate Resilient Agriculture)

Technology demonstrated/ interventions	Cropping system	Farming System crop under demonstration			Area under Demonstration (in acre)			No. of farmers under demonstration			Category				Crop Yield (q/ha)			System productivity (q/ha)	Total return (Rs./ha)	Yield obtained under Farmer Practices (q/ha)	Exposure visit (no.)	Number of farmers under exposure
		Kharif	Rabi	Summer	Kharif	Rabi	Summer	Male	Female	Total	SC	ST	OBC	Gen	Kharif	Rabi	Summer					
ZT	Paddy-Wheat-Greengram		Wheat			243		196	47	243	24	19	177	23		54.6		103.4	78881	38.2	02	621
ZT	Paddy-Lentil-Green gram		Lentil			65		47	18	65	8	0	38	19		12.2		75.40	43037	10.3	01	223
Line Sowing	Paddy-Pea-Green gram		Pea			20		28	12	40	6	4	28	02		16.81		79.61	61760	13.85	02	136
Raised bed	Paddy-Mustard - Greengram		Mustard			50		42	08	50	18	6	12	14		7.41		73.21	26165	6.20	01	96
Raised bed	Paddy-Maize		Maize			50		86	14	100	26	12	53	09		97.6		138.2	141710	84.3	04	241
Raised bed	Paddy-Potato-Greengram		Potato			05		15	0	15	1	0	12	2		268.58		317.38	159200	242.41	02	62
DSR	Paddy-Wheat-Greengram	Paddy			300			276	24	300	43	13	176	68		40.62		103.4	51531	37.2	04	352
AWD	Paddy-Wheat-Greengram	Paddy			75			67	08	75	22	8	33	12		46.3		109.1	59103	37.2	02	103

WH & FB	Paddy-Wheat-Greengram	Paddy			75			71	04	75	4	1	56	14		46.7		109.5	59660	37.2	01	94
INM	Paddy-Wheat-Greengram	Paddy			75			62	13	75	17	8	32	18		47.2		110	60400	37.2	01	102
Line transplanting	Finger millet-Wheat-Greengram	Finger millet			50			53	36	89	15	0	51	23		11.4		74.2	23606	9.2	01	78
ZT	Paddy-Wheat-Greengram			Green gram			250	154	96	250	32	4	128	86		8.2		109.1	26186	6.12	01	348

11.8 District Agro Meteorological Unit (DAMU)

S. No	No. of Block agromet advisories send	No. of advisory bulletin published	No. of Farmers Awareness programmes organized	No. of farmers feedback received	No. of farmers received agromet advisory bulletin	No. of publication

11.9 KSHAMTA

Number of Adopted Villages	No. of Activities		No. of farmers benefited	
	Demo	Training	Demo	Training

11.10 Agri-Drone

S. No.	Name of parameter	Details of parameter
1	Name of the project implementing centre (PIC)	KRISHI VIGYAN KENDRA AGWANPUR, SAHARSA
2	No. of Agri Drones Sanctioned	01
3	No. of Agri Drones Purchased	01
4	Amount sanctioned (Rs)	100000
5	Purchased cost of each Drone (Rs.)	990000
6	Company and Model of Drone	IOTECK WORLD AVIGATION PVT LTD
7	Name and contact No of Agri Drone Pilot	ER. V.K. PANDEY, 9304808425
8	Target Area for Agri Drone Demonstration (ha) (1 demo = 1 ha area)	250
9	Amount sanctioned for Agri Drone Demonstrations (Rs.)	750000 (F.Y 2022-23)
10	Amount utilised for Agri Drone Demonstrations (Rs.)	749905
11	Area covered under demos (area in ha)	268
13	Operation carried out (Pesticide/Weedicide/Nutrient application) in demonstration organised	Nutrient Application
14	Number of farmers participated during demonstration	406
15	Advantages of using Agri Drones as observed during the demonstrations	Time, labour and water saving

Details of Demonstrations under Agri-drone Project (From 2022-23 to Dec. 2024)

	Name of district	Date of demonstration	Place of demonstration	Crop Name	No. of demos	Area covered under demos (area in ha)	No of farmers participated
Demos on insecticide spray							
Demos on weedicide spray							
Demos on nutrient spray	Saharsa	13.12.2022-17.12.2022	Barahsher	Wheat	144	84	144
		13.01.2023-30.01.2023	Chandrayan	Wheat	125	98	125
		28.02.2023-01.03.2023	Gandoul Pahlam	Banana, Wheat Mango	105	72	105
		23.12.2023-26.12.2023	Bareta	Wheat	32	14.0	32

11.11 Augmenting Rapeseed- Mustard Production of Tribal Farmers of Jharkhand state for Sustainable Livelihood Security under Scheduled Tribe Component.

Varieties used	Situations (Irrigated/ Rainfed)	Varieties used in FP	Yield (Kg/ha)		YIOFP (%)	COC (Rs./ha)		GMR (Rs./ha)		ANMR (Rs./ha)	B:C ratio GMR/CoC	
			IP	FP		IP	FP	IP	FP		IP	FP

S.No	Item /Activity	Units	Quantity	No of beneficiaries
1	Training (Capacity building /skill development etc)			
1.1	1-3 days	No.		
2	Frontline demonstration (FLDs) and other demonstrations			
2.1	Area under FLDs	Hectare		
3	Awareness camps, exposure visit etc	No.		
4	Input Distribution			
4.1	Seeds (Field Crops)	Kg		
4.2	Small equipment's (Upto ₹ 2000)	No.		
4.3	Large equipment's (more than ₹2000)	Nos.		
4.4	Fertilizers (NPK)/ Secondary/ Micro Fertilizers	Kg		
4.5	Plant Protection chemicals	Lit.		
5	Distribution of Literature	No.		
6	Kisan Mela	No.		
7	Any other (specify)	No.		
8	Total Budget Utilized	Rs		

12. OTHER INFORMATION

12.1 Integrated Farming System (IFS)

a. Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year
1	Poultry-Duckry-Pond-Crop	0.4					Under construction

b. Activities under IFS : *Under construction*

Sl. No.	Component Name	No. of KVKs under the Component	No. of Components established	Area (ha)	No. of Activities		No. of farmers benefited	
					Demo	Training	Demo	Training
1.								
2.								

12.2 Report on Digital Farming Initiatives in Agriculture/ Digital Ag. Extension Service

Phase	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I					
II					
Total					

12.3. PPV & FRA Programme

Date of training/awareness programme	Venue	Resource Person	No. of participants

Details of plant varieties registered

Name of crop Registered	Year of registration	Registration number	Farmer name and details	Adress of the farmers

12.4. a. Observation of Swachhta hi Sewa (15th Sept.-02 Oct 2024)

Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
15.09.2024	1	10	0	48	58
16.09.2024	1	10	35	48	93
17.09.2024	2	10	75	48	133

18.09.2024	4	08	98	48	154
19.09.2024	1	08	40	48	96
20.09.2024	2	09	74	50	133
21.09.2024	2	10	151	48	209
22.09.2024	2	13	12	48	73
23.09.2024	1	12	52	48	112
24.09.2024	1	3	91	48	142
25.09.2024	2	12	122	48	182
26.09.2024	1	10	93	48	151
27.09.2024	2	14	189	46	249
28.09.2024	1	11	0	43	54
29.09.2024	0	0	0	0	0
30.09.2024	1	11	0	46	57
01.10.2024	1	6	12	44	62
02.10.2024	1	10	0	46	56
	26	167	1044	803	2014

b. Observation of Swachta Pakhwada (15 Dec -31st Dec 2024)

Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
15.12.2024	1	12	8	11	31
16.12.2024	1	12	28	8	48
17.12.2024	1	12	32	13	57
18.12.2024	2	12	48	12	72
19.12.2024	1	10	18	8	36
20.12.2024	1	11	23	13	47
21.12.2024	1	11	19	8	38
22.12.2024	0	0	0	0	0
23.12.2024	1	13	21	9	43
24.12.2024	1	7	11	6	24
25.12.2024	0	0	0	0	0
26.12.2024	1	9	8	6	23
27.12.2024	1	9	12	3	24
28.12.2024	1	11	7	4	22
29.12.2024	0	0	0	0	0
30.12.2024	1	10	23	0	33
31.12.2024	1	11	9	6	26
	15	150	267	107	524

c. Details of total budget expenditure on Swachh activities including SAP

S.No	Activities	No of village covered	Total Expenditure (Rs.in Lakhs)
1.	Vermicomposting		
S.No	Activities	Name of activities conducted	Total Expenditure
1.	Activities under Swachata Other than vermicomposting		

12.5 Good quality action photographs with caption in JPEG FORMAT SEPARATELY of overall achievements of KVK during the year





XH95+2MR, Patari, Bihar
852124, India
Lat: 25.967339, Long: 86.559197
22 Aug, 24, 11:25 am, Thursday

